STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS

PUBLICATIONS OF THE DIVISION OF WATER RESOURCES EDWARD HYATT, State Engineer

BULLETIN No. 21-A

REPORT

ON

IRRIGATION DISTRICTS

IN

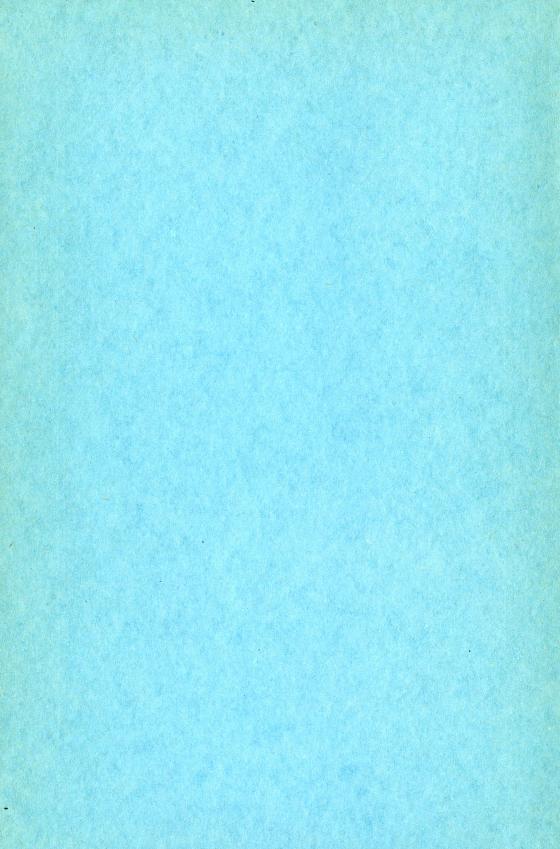
CALIFORNIA

For the Year 1929

1930



CALIFORNIA STATE PRINTING OFFICE SACRAMENTO, 1930



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ORGANIZATION

В. В. Меек	Director of Public Works
EDWARD HYATT	State Engineer
A. N. Burch	Irrigation District Investigations
RAY S. CARBERRY	Assistant

FOREWORD

The information presented in this report has been gathered by the office of the state engineer, Division of Water Resources, Department of Public Works. Two earlier reports on this subject, Bulletin 2 of the State Department of Engineering and Bulletin 21 of the Department of Engineering and Irrigation, present complete information on irrigation districts and the irrigation district movement in California up to and including 1928. Perhaps no other recent Department publication has had so wide a demand as Bulletin 21. It is for the purpose of continuing up to date the historical and statistical data contained in Bulletin 21, and in addition to present any pertinent information on irrigation districts and their activities in 1929, that this report is published. It is desired to express the appreciation of this office for the cooperation of irrigation district secretaries and other district officials in responding to requests for information.

CHAPTER I

INTRODUCTION

Irrigation District Laws.

The rapid development of irrigation in California is due largely to the organization of districts under the state irrigation district law, commonly known as the Wright Act. In 1897 a new act was passed which, while it did not materially alter many of the essential features of the act of 1887, made radical changes in the provisions for the organization and financing of irrigation districts. A great many amendments to the 1897 act, as well as supplementary acts, have been passed by the legislature since 1901.* The most important of these changes are as follows:

1. Requiring petitions for the formation of irrigation districts to be referred by the board of supervisors of counties, to the state engineer for report.

2. Creating a bond certification commission, composed of the attorney general, state superintendent of banks and state engineer.

3. Permitting organization of districts to be proposed by 500 petitioners.

4. Reducing the number of votes necessary to carry the organization of a district from two-thirds to a majority of votes cast.

5. Permitting boards of directors of districts to call bond elections without petition of landowners, on the approval of the election by the bond commission.

6. Permitting the organization and financing of improvement districts within irrigation districts.

7. Permitting districts to develop hydroelectric plants and to sell and distribute the energy generated thereby.

Irrigation District Organizations.

In Bulletins Nos. 2 and 21, previously referred to in the foreword, there was presented a history of the early irrigation movement in California and of the districts organized to 1929, and reference is made to these bulletins for details up to that date. Two districts were organized in 1929. The total number of districts organized and now (January 1, 1930) existing under the California irrigation district law is 116. Ninety-four of this number maintain regular organizations and are active, while twenty-two are inactive and have apparently abandoned any useful purpose that may have existed when they

^{*}The California irrigation district law, with related laws, is published in full in Bulletin 18, 1929 Revision, Department of Public Works, Division of Water Resources.

were organized. In only one instance has a district, after having been organized and operated under the California irrigation district law, adopted another form of organization.

Inactive Irrigation Districts.

A full history of inactive irrigation districts is given in Bulletin 21, pages 346–370. There was no change in the status of these districts in 1929. An investigation was made by the state engineer of all of these districts with a view to determining what if any value was being served by their organizations. Each district was visited and landowners interviewed as to any probable future activities of the districts. The investigation indicated that at least 15 of the 22 inactive districts made no pretense of maintaining organizations, had no directors or other district officials, and were not now serving or likely to serve any useful purpose in the future. The landowners in most of these districts would like to see them dissolved but none were sufficiently interested to initiate voluntary dissolution proceedings. Apparently most of the districts are subject to involuntary dissolution proceedings, and some of such cases were submitted to the attorney general for consideration.

Districts Organized for Irrigation or Water Conservation Other Than Irrigation Districts.

In addition to irrigation districts, the state engineer has jurisdiction in the organization of water conservation districts as provided in the water storage district act of 1921 and the water district act of 1913 as amended in 1929. Both of the latter statutes are published in full in Bulletin 18, 1929 revision of California irrigation district laws. In Bulletin 21, pages 371 to 388, will be found a fairly complete history of various water conservation districts other than irrigation districts.

There is record of the organization of two county water districts in 1929, viz: Downey county water district, Los Angeles County; Belmont county water district, San Mateo County. These were both organized primarily to provide for a domestic water supply.

No districts were organized in 1929 under the water district act of 1913.

Water Storage Districts.

Since the publication of Bulletin 21, two of the four water storage districts therein described (pages 81–85) have been dissolved. These are the San Joaquin River Water Storage District and the Kern River Water Storage District. The Tulare Lake Basin and the Buena Vista Water Storage districts remain active. The latter district voted bonds in 1929 in the principal amount of \$942,731, for the acquisition and

construction of works, and it had completed the major portion of the construction work planned by January 1, 1930.

Irrigation Districts Association.

The organization of California irrigation districts into an association for their mutual benefit was the result of a meeting in 1919 of five of the larger districts for the consideration of district financing. This meeting resulted in the organization of an association which now includes nearly all of the districts operating under the California irrigation district law. Its executive committee gives careful consideration to matters affecting the welfare of districts and is especially concerned in all legislation relating to irrigation and the conservation of the waters of the state. The Irrigation Districts Association of California maintains an office at 932 Pacific Building, San Francisco, where the secretary may be addressed for information. Two meetings of the association are held annually.

The 1929 spring meeting of the association was held in Sacramento. The time of the meeting was given to the consideration of some 60 bills involving proposed legislation affecting irrigation districts and water conservation. Twenty-six of these bills were approved by the association and 23 of the approved bills were passed by the legislature.

The fall meeting was held in San Francisco and was devoted largely to the discussion of irrigation district financing and federal aid to irrigation districts. At this time a joint meeting was held with representatives of reclamation and drainage districts and plans for cooperating with these districts in securing federal aid discussed.

District Management Creditable.

Under the generally unfavorable agricultural conditions which prevailed in 1929, California irrigation districts are to be congratulated on the very favorable showing made by the organizations as a whole. Despite losses due to unusual weather conditions and low prices for most farm and orchard products, the districts met bond and interest coupon payments to the amount of \$6,521,498, and reduced their other interest-bearing obligations by \$378,797. The bond obligations paid represent 93.6 per cent of all such obligations due from the districts in 1929. In addition to the large capital payments met by the districts it is estimated that they were also called upon to expend from tax revenues not less than \$4,600,000 for administration and for operating and maintaining their irrigation systems and for necessary new construction and extensions. The transactions of the districts also involved the expenditure of \$1,017,078 from funds derived from the sale of bonds, as represented by the approvals of the bond commission The whole represents income and expenditure transactions of nearly \$24,000,000, a very large business. When it is considered that this business was dependent on agriculture for its material income, that it was attempting to build up no surplus and to make no profits, and that it was managed by some 80 or more independent units without mutual responsibilities, the very creditable financial showing made leads to the conclusion that California irrigation districts as a whole are well managed.

Future Annual Reports.

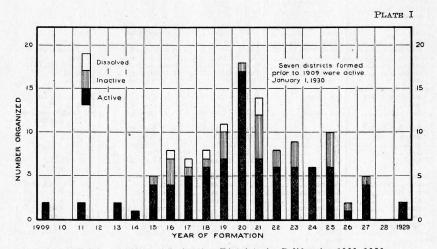
It is planned to issue each year a report similar to this one as a further supplement to Bulletin 21, if sufficient accurate information is furnished by the districts to justify the effort and expense. Individual districts and the association are therefore urged to continue to extend their cooperation to make this plan successful.

LIST OF ACTIVE CALIFORNIA IRRIGATION DISTRICTS

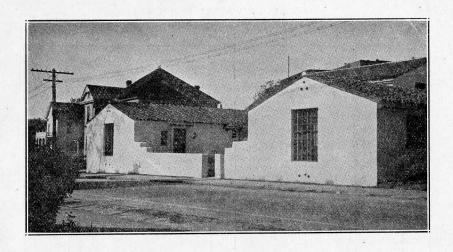
District	County	President	Secretary	Address
District	County			
Alpaugh	Tulare Tulare, Fresno, Kings Shasta, Tehama	H. R. Leek	A. B. Allen	Alpaugh
AltaAnderson-Cottonwood	Tulare, Fresno, Kings	Walter Billingslea	Elmer Sibley John Klukkert	Dinuba
Anderson-Cottonwood	Shasta, Tehama	S. Severtson	W. Schlossman	Anderson - Tracy
Banta-Carbona	San JoaquinImperial	Henry T. Ohm S. M. Colby	W. C. Ross	Ross Corner, Yuma
BardBaxter Creek	Imperial	C. M. Stewart	J. A. Pardee	Susanville
	Lassen County Riverside	E. D. Norcross	W L Percy	Beaumont
Beaumont	Siekiyou	K. Gemmet	W. L. Percy Roy E. Swigert	Montague
Browns Valley	SiskiyouYuba	L. B. Gurney	F. E. Snell	Browns Valley
Butte Valley	Siskiyou	H. L. Nelson	M. A. Gilmer	Macdoel
Big Springs Browns Valley Butte Valley Byron-Bethany	Siskiyou Contra Costa, San			
	Joaquin, Alameda	W. J. Livingstone	G. A. Howard	Byron
Camp Far West	Placer, Yuba	R. H. Durst	Robert Anderson Roy W. Sullivan	Wheatland
Carmichael	Sacramento	E. M. Lynch	Roy W. Sullivan	R.R.5, Box 1427, Sacramento
		T W E	D C Cmiler	D D 2 Roy 240 Orange
Carpenter	Orange Sacramento-Placer	L. W. Evans	D. S. Smiley Floyd J. Locher	R.R. 3, Box 249, Orange R.F.D. 1, Box 77,
Citrus Heights	Sacramento-Placer	J. A. Gray	Floyd 3. Locher	Roseville
Compton-Delevan	Colusa	W. H. Lovelace	C. E. Ryan	550 Montgomery St.,
Compton-Delevan	Colusa	W. II. Lovelace		San Francisco Box 64, Selma
Consolidated	Fresno, Tulare, Kings	W. H. Shafer	A. R. Stedman	Box 64, Selma
Corcoran	Kings	J. M. Hansen	D. I. Drown	Corcoran
Cordua.	Yuba	J. M. Hansen Warren Steel	Jeannette Frank	Marysville
CorduaCrescent	Yuba Fresno, Kings	H A Momson	Mary Roberts Vera Chambers	Riverdale
Deer Creek East Contra Costa	Tahama	Charles Dicus Robert Wallace, Jr E. A. Cripe	Vera Chambers	Box 680, Chico
East Contra Costa	Contra Costa	Robert Wallace, Jr	Margaret Wallace	Brentwood
El Camino El Dorado	Tehama El Dorado	E. A. Cripe	O. R. Smith	Gerber
	El Dorado		Roger W. Browne	Placerville
El Nido	Merced	Andrew Escola E. C. Phoenix Fred Myers H. J. MacKenzie	O. R. Smith Roger W. Browne W. A. Wright Guy L. Camden	El Nido, Box 73
Fairoaks	Sacramento	E. C. Phoenix	Guy L. Camden	Fairoaks Fallbrook
Fallbrook	San Diego	Fred Myers	C. C. Cook Geo. H. Pettengill J. Allan Hall	Orosi
Foothill	Fresno, Tulare	A. B. Tarpey	T Allen Hell	1001-9 Griffith McKen-
Fresno	Fresno	A. B. Tarpey	J. Alian Han	zie Bldg., Fresno
Glenn-Colusa	Glenn, Colusa	S. S. Havenor	H. R. Allard	Willows
Grenada	Siskiyou	Claude I Strong	Stuart Taylor	Box 53, Grenada
Hemet	Riverside	C. C. Nordal	E. O. Eggen	Hemet
Hemet. Hot Spring ValleyImperial Island No. 3	Modoc	C. C. Nordal S. B. Kelley Earl C. Pound	E. O. Eggen A. K. Wylie	Alturas
Imperial	Modoc Imperial	Earl C. Pound	F. H. McIver	El Centro
Island No. 3	Kings	J. B. Roberts	Mrs. A. I. Scott	Rt. 1, Laton
Jacinto	Glenn	W. W. Koehler	Roscoe Caldwell	Glenn
James La Canada	Fresno Los Angeles	W. W. Koehler Peter Rusconi	N. D. Ingham	San Joaquin Box 37, La Canada
La Canada	Los Angeles	Leo M. Harvey	Wm. H. Havs, Jr.	Box 37, La Canada
Ladera	Riverside	O. S. Smith	A. W. McGahan	Elsinore
Laguna Lakeland Lakeland	Fresno, Kings	L. L. Garner	Bessie L. Scutt	Rt. 1, Box 197, Laton
Lakeland	Kings	Forrest Riley	H. S. Hurlbut G. W. Conrad	Corcoran Lakeside
Lakeside La Mesa, Lemon Grove	San Diego	Otto Einer	G. W. Conrad	Lakeside
La Mesa, Lemon Grove	Can Diana	R. Bruce Carmichael	Miss Ruth C. Drew	P.O. Box 82, La Mesa
and Spring Valley	San Diego	W C Winger	W. J. Garrett	
Lemoore	Kings San Joaquin	W. S. Winger Ralph G. Houston	A. L. Cowell	012 Bank of America
Linden	Ban Joaquin	Tarph G. Houston		Bldg., Stockton
Lindsay-Strathmore	Tulare	Ernest L. Daniells	H. R. Huebert	Lindsay
Littlerock Creek	Los Angeles	Vernon A Carr	W.I. Kling "	Littlerock
Lucerne	Kings	W. L. Haag	S. E. Railsback	Hanford
Madera Maxwell	Kings Madera	W. L. Haag T. S. Coffee Dr. C. E. Schoff	J. A. Secara Thos. J. Hately	Madera
Maxwell	Colusa	Dr. C. E. Schoff	Thos. J. Hately	. 1710 10th St.,
			The second secon	Sacramento Nargad
Merced	Merced	D. K. Barnell	H. P. Sargent C. S. Abbott	Box L1, Merced
Modesto Mojave River	Stanislaus San Bernardino	H. G. Jacobsen	U. S. ADDOUL	P.O. Box 1678, Modest
Mojave River	San Bernardino	T. J. Thomas G. W. Dwinnell	J. S. Nation	Montoguo
Montague	Siskiyou San Joaquin	U I Poor	Coorgo Wodgworth	Roberts Bldg Tracy
Naglee Burk	Novede Placer	V. J. Reeve J. A. Teagarden	Roy E. Swigert George Wadsworth Mrs. B. W. Baldwin	Grass Valley
Nevada Newport Heights	Nevada, Placer Orange	Geo A Wotarmon	C. R. Van Duvn	Roberts Bldg., Tracy Grass Valley Costa Mesa
Newport Mega	Orange	Geo. A. Waterman_ Charles W. Te Winkl	C. R. Van Duyn	Box 305, Costa Mesa
Newport Mesa Oakdale	Orange Stanislaus, San	- Charles W. 16 Willki	D. 0. Dougo	204 000, 50000 11-500
Valuate	Joaquin	H. S. Crowe	M. P. Kearney	Oakdale
Oroville-Wyandotte	Butte	Carleton Gray	W. J. Monro	
Owens Valley	Inyo	J. L. Gish	W. J. Monro Dell Yandell	Bishop
Palmdale	Los Angeles	F J Ikeler	Mrs. Doris Hossey	Palmdale
Palo Verde	_ Riverside, Imperial _	Tony Seeley A. W. Patton	A F Pottit	Rlythe
Paradise	Butte	A. W. Patton	J. E. Alley	Paradise
Potter Valley	_ Mendocino	_ L. L. Grover	R. R. Ingles	_ Ukiah
Potter Valley Princeton-Codora-Glen	n Glenn, Colusa	_ V. D. Shaver	J. E. Alley R. R. Ingles W. G. Poage	_ Princeton
Provident	_ Glenn, Colusa	V. D. Shaver A. E. Moutrey	_ L. M. Benoit	
Ramona Red Rock Creek	San Diego	R. L. Jerman	_ Mrs. Lyda Verlaque_	P.O. Box 34, Ramona
ташона	_ Lassen			

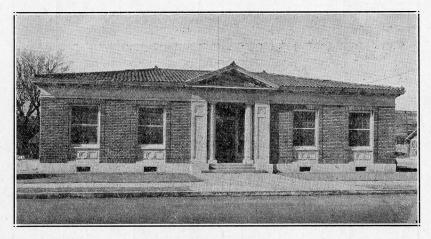
LIST OF ACTIVE CALIFORNIA IRRIGATION DISTRICTS—Continued

District	County	President	Secretary	Address
Riverdale	Fresno	R. M. Cushman	Tina Z. Cushman	Riverdale
San Dieguito		Chas. H. Webster	G. E. Thrailkill	Encinitas
Santa Fe	San Diego	C. A. Shaffer	W. O. Boettiger	Rancho Santa Fe
San Ysidro	San Diego	J. Caplin	L. Judd	San Ysidro
Scott Valley			H. G. Revnolds	Fort Jones
Serrano	Orange	Willard Smith	F. H. Collins	R.D. 1, Box 168, Orange
South Montebello		J. H. Dutcher	Mrs. Sarah F. Becker	1210 Spruce St., South Pasadena
South San Joaquin	San Joaquin	D. O. Castle	S. L. Steele	Manteca
Stinson	Fresno	B. W. Kilby	R. M. Bostwick	Fresno
Table Mountain	Butte	R. W. Campbell	John Brereton, Jr.	Feather Ave., Oroville
Γerra Bella	Tulare	D. M. Stanley	E. H. Robinson	Terra Bella
Thermalito		Mark Hodgson	Raymond A. Leonard	
Γia Juana River		A. L. Boyce	Mrs. Minnie B. Sniff	San Ysidro
Fracy-Clover	San Joaquin	R. R. Mehring	George Wadsworth	Roberts Bldg., Tracy
Franquillity		J. A. Benkert	J. E. Cuttle	Tranquillity
Fulare	Tulare	R. H. Beaver	Glenn L. Moran	P.O. Box 477, Tulare
Fule	Lassen	F. C. Farwell	J. A. Pardee	Susanville
Turlock		D. C. Thornburg	Anna Sorenson	117 W. Main St., Turlock
Vandalia		F. F. Heydenfeldt	H. C. Pegram	Box 1026, Porterville
Vista	San Diego	C. M. Stokes	W. C. Witman	Vista
Walnut	Los Angeles	L. R. Paxton	Laura E. Paxton	R.D. Box 670, Rivera
Waterford		A. E. Ketcham	C. W. Quinley	Waterford
West Side	San Joaquin	Samuel A. Shearer	John C. Chrisman	Box 607, Tracy
West Stanislaus	Stanislaus, Merced	W. W. Cox	Elbridge Smith	Westley
Woodbridge	San Joaquin	W. J. Robinson, Jr	Mrs. Olla L. Strother	Woodbridge
Buena Vista Water			T TO TAX 11	D 11 111 1
Storage	Kern	Leroy J. Nichel	J. E. Woolley	Buttonwillow
Culare Lake Basin	***	TT T 35 11	D II 1 11	TT C 1
Water Storage	Kings	Harry Lee Martin	Dan Hadsell	Hanford



Rate of Organization of Irrigation Districts in California, 1909-1929.

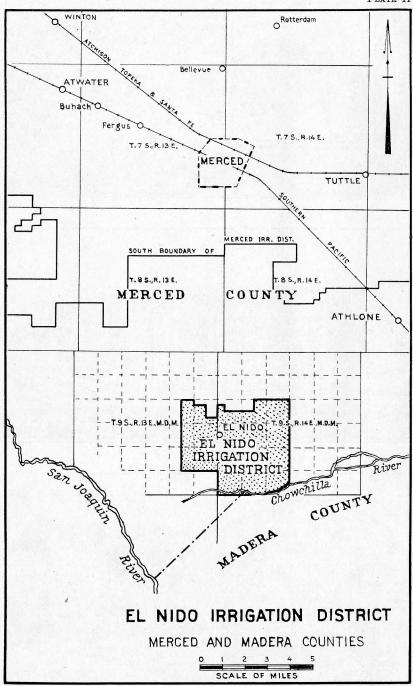






A group of irrigation district office buildings.

PLATE II



CHAPTER II

DISTRICTS ORGANIZED IN 1929

In 1929 three districts petitioned for organization, viz: El Nido, Merced County; Linden, San Joaquin County, and Dixon, Solano County. El Nido and Linden were favorably reported upon, but on account of lack of evidence that the plan presented by the Dixon district would prove feasible in obtaining an adequate water supply the state engineer reported unfavorably and the project was abandoned.

EL NIDO IRRIGATION DISTRICT

Location: Township 9 South, Ranges 13 and 14 East, Merced County.

Date of organization election: April 22, 1929.

Gross area: 9,400 acres.
Principal town: El Nido.

Post office: El Nido. Transportation: Paved highway, 12 miles to Southern Pacific and Santa Fe railroads at Merced.

History and development.—The lands in this district were dry farmed to grain until a comparatively recent date. About 1913 a portion of the area now included in the project was subdivided into small holdings and water was developed for irrigation from individually owned and operated wells. The district now contains one hundred eleven separate holdings. Seventy-four of these contain 80 acres or less. The district has a population of 375 and the county assessment roll for 1929 shows a valuation of \$571,510. There are over 4,000 acres now under irrigation in the district, most of which is devoted to alfalfa. The principal industry is dairying.

Soils and topography.—The soils are all classed as Hanford sandy loams, with the exception of 700 or 800 acres in the south and west parts of the district which are classed as Fresno silty clay loam. As a whole these soils are light and readily tillable. The soil map indicates, as also does field inspection, that there are scattered areas affected with alkali in sufficient concentration to be detrimental to crop growth. Apparently no single area of this character is large. The elevation of the district ranges from 125 to 160 feet, and the land has a fairly uniform slope to the west of about 7 feet per mile, and is not to any great extent cut up by sloughs and depressions. No drainage difficulties are anticipated.

Water supply.—At the time of the organization of the district all water for irrigation was drawn from individually owned wells. There had been, particularly during a period of 5 or 6 years prior to time of organization, a decided recession in the ground water supply and it

became evident that some supplemental source of supply must be found to protect the investment made by the landowners in the development of their farms. Investigation indicated that there was sufficient waste and surplus water available from the Merced Irrigation District to meet the El Nido deficit and an agreement was entered into with the Merced district for the purchase of such surplus.

Works.—It is proposed to build a main canal about 8 miles in length with a capacity of 80 second-feet from Duck Slough in the Merced district to supply laterals to be constructed in the El Nido district. The work involves about 25 miles of canal and laterals. These with appurtenant structures are estimated to cost \$135,000.

LINDEN IRRIGATION DISTRICT

Location: Townships 2 and 3 North, Ranges 7, 8 and 9 East, San Joaquin County, about 12 miles easterly from Stockton.

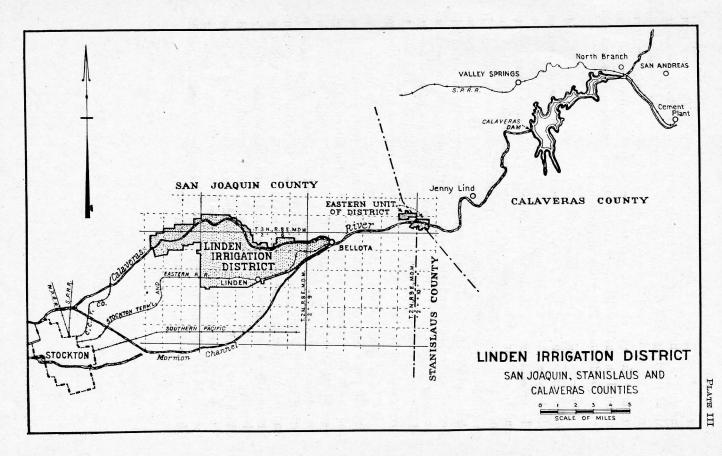
Date of organization election: October 3, 1929.

Gross area: 13,700 acres. Principal town: Linden. Post office: Linden.

Transportation: Southern Pacific branch line and paved highway to Stockton, head of navigation on the San Joaquin River.

History and development.—The area included in the Linden district was practically all dry farmed to grain until about 1914. Irrigation in this territory appears to have been initiated by a group of farmers who attempted to utilize water from the Calaveras River by diverting the flow a short distance above Bellota into North Slough and thence into the old Calaveras channel, from which it was diverted to the land. The dam was washed out by floods, but the results obtained demonstrated the value of irrigation and a number of irrigation wells were constructed and equipped with pumping plants. Underground water development continued until at the time of organization 7,700 acres were under irrigation. Six thousand two hundred acres of the irrigated land is in fruit trees and nuts. There are 260 separate holdings in the district and the average holding contains about 50 acres. The population of the district, including the village of Linden, is estimated The county assessed valuation of the land, 1928 roll, is at 500. \$1,021,600.

Soils and topography.—The lands of the district are practically all composed of two types of soil, Stockton loam and Stockton silt loam. Of the first named there are about 3,000 acres, and of the latter 10,700 acres. The Stockton loam has a depth of 6 or more feet, is of medium texture and is friable and easily cultivated under proper moisture conditions. It is well adapted to the growth of all fruits and vegetables suitable to Central California climate. The Stockton silt loam is also of good depth but of a somewhat finer texture than the Stockton loam.



It is well drained, takes water readily and is very retentive of moisture. It is one of the most productive soils of the valley areas and in the Linden district is largely devoted to fruits and walnuts. All of the lands are free from alkali. The elevation of the principal area is from 65 to 125 feet and the lands have a fairly uniform westerly slope of about 15 feet to the mile. The small detached area included in the district above Bellota has an elevation of about 300 feet. No drainage difficulties are anticipated.

Water supply.—The area now irrigated is supplied from about 40 individual wells, and by a few pump installations in Mormon channel, which latter furnish water only during the early part of the season. The present use has resulted in an overdraft on ground water storage and in an annual lowering of the water plane, indicating that this source without artificial replenishment will ultimately be exhausted. It is anticipated by the proponents of the district that with the completion of the Calaveras dam by the city of Stockton the situation will become more acute and the need for artificial replenishment more pressing. The district proposes if possible to obtain a small amount of storage capacity in the Calaveras flood control dam and also to divert some of the flood flow of the Calaveras River to ground storage.

Works.—Topographically the main area of the Linden district is so situated as to receive the benefit of percolation from any water flowing in the old Calaveras channel, and the plan advanced by the engineer of the district is to regulate flow into the channel in quantities greater than naturally enters the same, and by checks in the channel to retard such flow for periods sufficiently long to permit of recouping and maintaining the underground supply for the district. The plan provides for a low diversion weir in Mormon channel near Bellota for diverting water to the old Calaveras channel through North Slough, which later is to be deepened and graded to a regular section for about 2 miles to gates controlling the flow into the channel. Check dams are located in the channel for the purpose of creating percolating ponds. The cost of the work is estimated \$105,000.

CHAPTER III

STATISTICAL INFORMATION

Following this chapter is a group of five tables summarizing information pertaining to all active California irrigation districts. A brief discussion of the contents of these tables and a summary of financial activities of districts in 1929 follow:

Crops.

Table I is a summary of the gross irrigable and irrigated areas of the 86 districts which returned a crop report for 1929. The table also shows the number of individual holdings in each district and the area held under tax deed by the districts. The 86 districts contain 3,502,962 gross and 2,906,511 irrigable acres. Of the irrigable land 2,269,981 acres were cropped, and of the cropped land 1,755,600 acres were irrigated. The irrigated area shows an increase of 121,400 acres over that reported for 1928. Seventy-two per cent of the irrigable area was cropped and 60 per cent was irrigated. The following is a summary of all crops reported:

Kind of crop	Acres	Per cent of whole
Alfalfa	452,524	25.8
Grain and grain hay	158,539	9.0
Field and truck	216,430	12.3
Cotton	99,058	5.7
Rice	33,924	1.9
Vines	213,878	12.2
Deciduous fruits and nuts	128,214	7.3
Citrus and olives	52,068	2.9
Not segregated	400,965	22.9
		ng charte j ine to the
	1,755,600	100.0

The estimated number of holdings is 85,110 and the average farm holding 41 acres. Less than 1 per cent of the total area was held under tax deeds by the districts.

Water Diverted and Cost per Acre and per Acre-Foot.

Table II is a summary of the 66 districts reporting on the amount of water diverted in 1929, total and per acre, and the estimated cost per acre and per acre-foot diverted based on the 1929 assessment rate per acre of usual valuation plus the average toll per acre-foot diverted. The total number of acre-feet reported diverted by the 66 districts is 6,366,642. The amount of water diverted per acre irrigated ranges from a minimum of 0.27 to a maximum of 14.62 acre-feet. The estimated cost per acre varies from 83 cents to \$94.21, and the cost per

acre-foot diverted from 37 cents to \$117.05. The great divergence in the cost of water is due largely to high lift pumping from wells or from surface supplies.

An analysis of the data submitted by the districts indicates the following: Average amount of water diverted per acre irrigated, exclusive of districts whose principal crop is rice, 3.8 acre-feet; for districts whose principal crop is rice, 11.3 acre-feet. Average cost per acre-foot to the land irrigated in districts supplied by gravity only, \$1.06; in districts supplied by both gravity and pumps, \$1.76; in districts supplied by pumps only, \$2.72. The average cost per acre irrigated in districts supplied respectively by gravity only, by both gravity and pumps and by pumps only, is \$5.60, \$7.12 and \$10.97. The estimated average cost per acre for all irrigated lands reported is \$6.52.

Assessments, Percentages Delinquent and Water Tolls.

Table III sets forth the principal sources and amounts of the 1929 income of California irrigation districts. This table indicates that the total assessment levies of all districts for the calendar year of 1929, computed as one-half the sum of the levies for 1928–29 and 1929–30, was \$10,687,092. Add to this sum the amount of water tolls collected in 1929, amounting to \$2,236,031, and the result is a grand total of estimated revenues for the year of \$12,923,923. It is estimated that the total earned revenues collected in 1929 amount to approximately \$12,000,000, the balance being estimated revenues not collected.

Columns 1, 2 and 3 of Table III give the amount of unredeemed tax certificates as of January 1, 1930, for the assessment years 1926–27 to 1928–29, and a subsequent column gives the total number of tax certificates sold at the date of sale in 1929. The average delinquency at the time of 1929 tax sales was about 15 per cent. This is believed to be a satisfactory showing when it is considered that included in this average are a number of districts which are in financial difficulties and show extremely high delinquencies.

Bonds and Warrants.

Table IV sets up the status of all California irrigation district bonds on January 1, 1930, showing the amount voted, canceled, sold, paid and outstanding on that date, as well as the amount of bond principal and interest in default. In addition, the last two columns show the amount of interest-bearing warrants and notes outstanding January 1, 1930, and January 1, 1929. A comparison of the totals of these columns indicates that from January 1, 1929, to January 1, 1930, there was a decrease of \$378,797 in outstanding interest-bearing warrants.

Following is a summary of bond information as of January 1, 1930:

Face value of original bonds voted Face value of refunding bonds voted	\$149,996,536 4,830,511	\$154,827,047
Disposition of bonds voted:		\$194,021,011
Original issues sold	\$103 088 910	
Original issues unsold		
Refunding issues sold or exchanged		
Refunding issues unsold		
Canceled		
Disposition of bonds sold:		
Retired		
Total outstanding	97,091,882	
Outstanding and in default	477,000	
Percentage of bonds voted sold	70.00%	
Percentage of bonds sold outstanding	89.73%	
Percentage of bonds sold retired	10.27%	
Percentage of bonds sold defaulted	0.49%	
Disposition of 1929 bond obligations:		
Bonds paid	\$1,312,265	
Interest coupons paid	5,209,233	
	-	\$6,521,498
Bond maturities refunded		21,500
Bond maturities defaulted	\$129,000	
Interest coupons defaulted	323,789	
		\$452,789

Percentage of 1929 bond and bond interest obligations defaulted, 6.4%.

Six hundred thousand dollars in bonds were voted by California irrigation districts in 1929, in the amount of \$200,000 each by the following districts: Carpenter and Serrano, Orange County; Ladera, Riverside County. None of these bonds were sold. The total amount of bonds sold by districts during 1929 was \$1,194,060.

Bond Obligations per Acre.

Table V shows the average bond obligation per acre for each district and the average for all districts having outstanding bonds. These figures are a general average only and they are not therefore necessarily a measure of the bond principal and interest payments required of any particular acre, as this requirement varies with the assessed valuation.

Plate IV, appearing on page 22, indicates graphically the combined bond obligation of California irrigation districts, showing the trend and peak of bond payments, interest payments, and combined bond and interest payments from January 1, 1930, to the maturity of the last bond and interest coupon outstanding on that date.

Expenditures Approved from Bonds in 1929.

The California irrigation district act and the bond certification commission act provide for the approval by the bond commission of all irrigation district expenditures proposed from funds derived from the sale of bonds. Such expenditures, as represented by approvals of the bond commission in 1929, were as follows:

Big Springs	\$64.186	00
El Dorado	59,042	
La Canada	167,852	48
Nevada	64,451	26
Oroville-Wyandotte		00
Potter Valley	2,750	00
Thermalito	5,372	80
West Side	13,047	24
West Stanislaus	629,069	
Woodbridge	6,325	
Total\$	1,017,078	

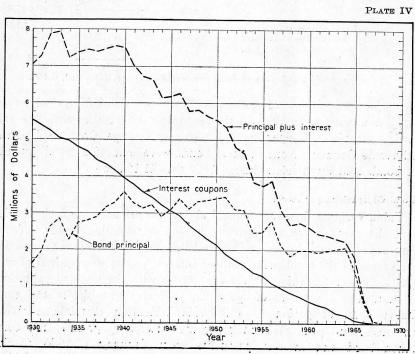


Diagram showing trend of maturities of outstanding bonds of California irrigation districts as of January 1, 1930.

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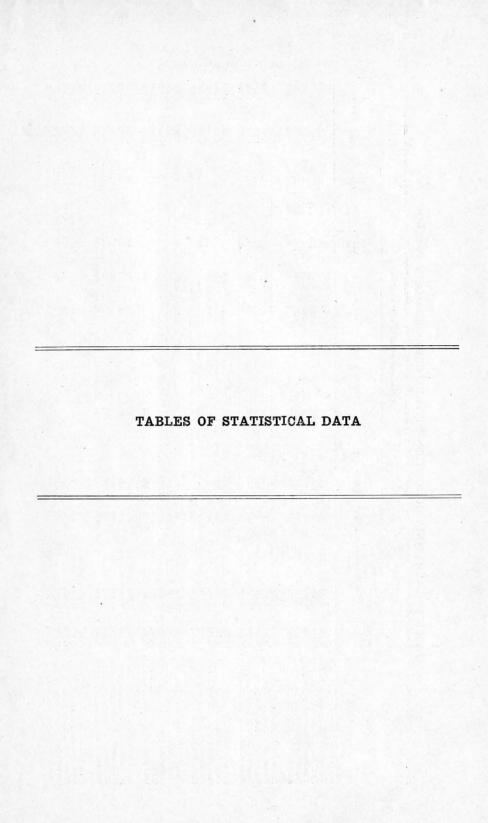


TABLE I. CALIFORNIA IRRIGATION DISTRICT CROP SUMMARY FOR 1929

			Area held by	Estimated				Kind a	nd acreage	of crops i	reported			I	rea croppe	ed
District	Gross area, acres	area, area,	districts under tax deed, acres	number of holdings	Alfalfa	Grain and grain hay	Field and truck	Cotton	Rice	Vines	Decid- uous and nuts	Citrus and olives	Not segre- gated	Dry farmed	Irri- gated	Total
AlpaughAlta	8,175 129,300	8,039 112,600	730	299 4,600	400 7,500	1,920	880	2,720 2,000		70 49.180	8,960	930	510 30,550	29,300	5,620 100,000	5,620 129,300
Anderson Cottonwood	32,000	28,064	1,500	724	7,400		6.500	2,000		49,100	1,570	950	425	3,100	16,295	19,39
Banta-Carbona	14,379	14,248	62	202	5,189	2,746	5,636			101	91		313		14,076	14,070
Bard	7,000	5,914		131	908	364	27	3,566		1	56	21	152		5,095	5,09
Baxter Creek	9,336	8,636		-		1	1100						1,500		1,500	1,500
Beaumont	4,141	3,161		1,557							1,909		1,000		1,909	1,90
Big Springs	3,570	2,546		43	2,290	30									2,320	2,320
Browns Valley	40,000	11,740		267	645	90	1,830			470	1,415	82	2,460	1,308	6,992	8,300
Butte Valley	28,686	17,500	4,663	350									5,500		5,500	5,500
Byron-Bethany	17,200	12,544		200	7,000	2,500	200				300			4,000	10,000	14,000
Camp Far West	4,089	2,658		10	100	300					2,046				2,446	2,440
Carmichael	3,138	3,038	10	300						200	1,500	250			1,950	1,950
CarpenterCitrus Heights	1,328 3,077	1,320 3,066	36	210			65					1,035	2,850		1,100 2,850	1,100 2,850
Citi us Heights	3,077	3,000	30	210									2,800		2,800	2,800
Compton-Delevan	12,652	11,500	720	10					1,092					1,200	1,092	2,29
Consolidated	149,047	145,757		4,600									129,000		129,000	129,000
CorcoranCordua	51,606	51,000		348	4,000			14,000	1.500						18,000	18,000
Deer Creek	5,461 1,907	5,421 1,663	860	24 13	500		300		1,500		800		450		$\frac{1,500}{2,050}$	1,500 2,050
		1,000		10	000		500				300		100		2,000	2,000
East Contra Costa	20,200	19,760	1,250	471	3,197	914	4,769			705	495	4,859			14,939	14,93
El Camino	7,549	7,549		300	1,184		1,185			105	1,197		329	1,172	4,000	5,17
El DoradoEl Nido	30,000 9,450	19,905 7 500		980 150	3,500	100	100	250		50	6,000				6,000 4,000	6,000 4,000
Fairoaks	3,900	3,400	3	410	3,300	100	15	200		50	1,800	688			2,553	2,55
									2							
FallbrookFoothill	10,217	10,200		325	50			1.000		7.500	7	844		1,588	851	2,439 40,076
Fresno	58,875 241,300	45,837 239,080		1,400 8,796	19,517		29,836	1,000 1,951		7,500 94,230	2,500 26,115	7,020 1,024	8.090	22,000 60,539	18,070 180,763	241,30
Glenn-Colusa	121,592	118.592		479	8,223		1,588	1,951	14,608	155	20,113	957	14,859	21,687	40,590	62,27
Grenada	4,948	3,510	1,800	4.923	1,640		1,000		11,000			001	12,000	22,001	1,640	1,640

HemetHot Spring Valley Imperial Island No. 3 Jacinto	9,718 9,497	9 557													9.000 1	9,000
Imperial Island No. 3			517	35	4,379	5.118							9,000		9,497	9,497
Island No. 3	KUE OOO	515,000	700	10,451	245,775	46,191	94,189	20,431		3,496	554	10,323	3,186		424.145	424.145
	605,000		700		240,770	40,191	94,109	20,431		5,490	994	10,525	3,100			
Jacinto	4,620	4,120		151	1 400								3,000		3,000	3,000
	11,554	10,300		185	1,403	302		328			761		1,361	5,943	4,155	10,098
James	26,266	18,266	1,028	11	4,700	2,700		4,000			40		200		11,640	11,640
La Canada	1,294	1,294		475									800		800	800
Ladera	1,632	1,481		358						25	150	50		455	225	680
Laguna	34,858	30,000		800									22,500		22,500	22,500
Lakeland	23,283	23,283	1,436	24									9,158		9,158	9,158
Lakeside	320	288		88									50		50	50
La Mesa, Lemon Grove and																
Spring Valley	18,000	13,500		4,000		1.00	756			-	100	2,427	648		3,931	3.931
· Linden	13,700	13,000		274	500						5,272	-,	228	7.000	6,000	13,000
Lindsay-Strathmore	15,250	14,540	2,344	500	000	90	192			422	0,2.2	8,796	220	1,000	9,500	9,500
Littlerock Creek	3,073	2,877	2,011	103		00	102			100	2,000	0,100			2,000	2,000
				100							2,000				2,000	
Lucerne	33,407	30,000											30,000		30,000	30,000
Madera	352,000	222,000		3,750									75,000	277.000	75,000	352,000
Merced	189,682	171,700	3,281	4,669	17,777	20,637	13,752	16,080	7,070	14,417	20,471		15,980		126,184	126,184
Modesto	81,183	78,759	-,	5,000	15,712	13,175	,	-0,000	822	10,318	10,937		15,408	7,590	66,372	73,962
Mojave River	27,665	20,000		200	250					5	400		10	20	665	685
Montague	26,117	18,531	1	330												
Naglee-Burk	2,871	2,846	165	54	1 700	140									1 040	1 040
	263,500		847		1,700	140									1,840	1,840
Newport Heights		164,000	847	1,800	774		449			4	996		1,977		4,200	4,200
Newport Heights	1,503	1,503		563	20		115			5	90	40	40	40	310	350
Newport Mesa	694	400		200			400								400	400
Oakdale	74,240	66,800	552	2,758	5,037	1,652	2,642	2,354	1,374	2,990	5,640	50	1.582	19,745	23,321	43,066
Oroville-Wyandotte	24,100	22,300		600					-,	30	1000	2,038		,	2,068	2,068
Owens Valley	53,990	1,000		435	550	200	250					-,			1,000	1,000
Palmdale	4,756	4,698		274	68	120	12			20	580		208		1,008	1,008
Palo Verde	88,693	70,000		1,150	4,843	1,287	3,083	23,120							32,333	32,333
Paradise	11,260	9,836		400			100		-1 0	100	3,100				3,300	3,300
Potter Valley	5,042	4,195		130	600	100				100						
Princeton Codora Glenn						160	60			10	710			0.000	1,540	1,540
Provident	13,656	12,290	20	200	715	115	20	35	1,919		1,150		217	8,000	4,171	12,171
	22,805	21,000	5,000	30	68				4,326	5				500	4,399	4,899
Ramona	650	585		230	20		40								60	60
Riverdale	15,830	14,800	6	206	3,000	3,000	2,000	640							8,640	8,640
San Dieguito	3,900	3,700	70	200			1,000					683	200		1,883	1.883
Santa Fe	10,106	6,980		416			_,				160	1,900	340		2,400	2,400
San Ysidro	502	462	20	400							200	1,000	130		130	130
Scott Valley	5,125	4,000		26	2,000	1,500							100	1,600	3,500	5,100

TABLE I. CALIFORNIA IRRIGATION DISTRICT CROP SUMMARY FOR 1929—Continued

			Area				K	ind and ac	ereage of o	rops repo	rted				Area croppe	d
District	Gross area, acres	Irrigable area, acres	held by districts under tax deed, acres	Estimated number of holdings	Alfalfa	Grain and grain hay	Field and truck	Cotton	Rice	Vines	Decid- uous and nuts	Citrus and olives	Not segre- gated	Dry farmed	Irri- gated	Total
Serrano	1,505	1,500		160			50				35	1,165			1,250 827	1,25 82
South Montebello South San Joaquin Stinson	910 .71,112 11,750	829 66,465 11,000	20	300 2,980 26	16,430 499	12,102 1,485	430 5,164	1,305 4,000		11,255	20 4,057	377	4,027	14,394	54,340 5,984	68,73 5,98
Table Mountain	1,955	1,780		12	75		14		151				21	430	261	69
Гегга Bella	12,285	12,070	319	680						563	1,558	1,812			3,933	3,93
Chermalito	3,110 1,084	2,940 984		355 77	10 900	20	50			145	600	642	500		1,967 900	1,96
Tracy Clover Tranquillity Turlock	10,750 181,498	10,190 179,278	2,000	246 4,000	1,500 39,706	2,000 34,222	34,222	100	1,062	13,932	9,458		3,100 3,277		6,700 133,754	6,70 133,75
Vandalia	1,276	1,253		42								1,100		14 2 2	1,100	1,10
VistaVistaVistaVistaVistaVistaVistaVistaVista	18,162 911	14,610 911		1,036 64	6		1,544 65			52	192 180	2,301 654	30	205	4,119 911	4,32 91
Waterford West Side	14,110 11,828	11,424 11,811		371 450	1,179 6,918	290 3,254	488 681			742	1,573 469		1,000		5,272 11,322	5,27 11,32
Vest Stanislaus	21,400	21,000		108	1,121	1,091	360	1,178						18,250	3,750	22,00
Vest Stanisiaus Voodbridge	13,851	13,330		145	1,046	849	1,371			2,125			793	7,315	6,184	13,49
Totals	3,502,962	2,906,511	29,959	85,440	452,524	158,539	216,430	99,058	33,924	213,878	128,214	52,068	400,965	514,381	1,755,600	2,269,98

TABLE II. DATA RELATING TO ASSESSED VALUATION AND ASSESSMENT RATE PER ACRE, WATER DIVERTED AND AVERAGE TOLLS PER ACRE-FOOT DIVERTED, AND ESTIMATED AVERAGE COST PER ACRE AND PER ACRE-FOOT DIVERTED FOR LAND IRRIGATED IN 1929

				Annual ass	essment			Water			
District	Assessed v	aluation per a	cre, 1930	per acre l usual val		Diverte	ed, 1929	Average toll per	Estimated cost to land irrigated, 1929		
	High	Low	Usual	1929	1930	Acre-feet	Acre-feet per acre	acre-foot, diverted	Per acre	Per acre-foot, diverted	
Alpaugh	\$60 00 60 00	\$40 00 3 00	\$50 00 60 00	\$6 00 1 58	\$5 00	7,600	1.35	\$2 94	\$9 97	\$7 38	
Anderson-Cottonwood	75 00	20 00	50 00	4 25	1 43	85,700	.86		1 58	1 84	
Banta-Carbona	150 00	40 00	150 00	7 50	4 25 9 00	117,313	7.20		4 25	59	
Bard	100 00	100 00	100 00	7 50	25	37,869 39,375	$\frac{2.69}{7.73}$	2 09 59	13 14 4 53	4 88 59	
Beaumont	100 00		100 00	11 00	0.70		00				
Big Springs	200.00	1 00	200 00	1 40	9 50 5 00	1,591 9,540	.83	8 67	17 90	21 57	
Browns Valley	15 00	2 00	10 00	1 40	5 00	9,540 15,775	4.11	89	5 08	1 24	
Butte Vallev	40 00	5 00	40 00	2 60	2 60	1,500	$\frac{2.26}{.27}$	37	83	37	
Byron-Bethany	200 00	20 00	130 00	5 33	5 53	15,970	1.60	2 17	2 60 8 80	9 63 5 50	
Camp Far West	150 00	5 00	150 00	4 50	4 73	5,000	2.04		4 50	0.01	
Carmichael	80 00	80 00	80 00	6 40	7 00	4,175	2.14	1 89	10 44	2 21 4 88	
Citrus Heights	100.00	100 00	100 00	10 00	10 50	3,564	1.25	1 89	10 00	4 88 8 00	
Compton-Delevan	75 00	10 00	75 00	3 26	3 08	7,395	6.77	1 03	10 00	8 00 1 52	
Consolidated	100 00	15 00	100 00	2 20	2 20	105,400	.82	1 05	2 20	2 68	
Corcoran	100 00	80 00	100 00	2 08	2 08	11,955	.66	1 23	2 90	4 39	
Cordua	70.00	30 00	75 00	3 94	3 81	21,840	14.56	27	7 87	4 39 54	
East Contra Costa	190.00	125 00	175 00	6 53	6 53	29,539	1.98	3 20	12 86	6 49	
El Camino		120 00	125 00	6 00	6 00	8,600	1.66	3 20	6 00	3 61	
El Dorado	155 00	10 00	75 00	60	49	8,100	1.35	6 54	9 43	6 99	
Fairoaks	96 00	25 00	90 00	4 27	4 27	4,620	1 01	2 73	0.10	F 00	
Fresno	100 00	50 00	100 00	2 50	2 50	323,633	1.81	2 73	9 10	5 03	
Glenn-Colusa	44 00	30 00	40 00	2 60	2 60	339,325	1.79 8.36	21	2 50	1 40	
Grenada	200 00	5 00	200 00	13 44	13 44	4,436	2.70	31 3 54	5 16	62	
Imperial	150 00	5 00	100 00	5 00	5 00	2,807,577	6.62	03	23 00 5 20	8 52 79	
Jacinto			60 00	2 85	2 85	14.409	3.47	22	3 62	1 04	
James	150 00	25 00	150 00	7 05	5 60	36,000	3.09	1 86	12 81	4 15	
La Canada	1,500 00	1.000 00	1,000 00	17 50	17 50	319	. 3.09	73 52	46 82	117 05	
Laguna	100 00	-,000	100 00	1 85	1 75	26,586	1.18	10 02	1 85	1 57	
Lakeside			100 00	4 25	4 25	25	.50	70 52	39 51	79 02	

TABLE II. DATA RELATING TO ASSESSED VALUATION AND ASSESSMENT RATE PER ACRE, WATER DIVERTED AND AVERAGE TOLLS PER ACRE-FOOT DIVERTED, AND ESTIMATED AVERAGE COST PER ACRE AND PER ACRE-FOOT DIVERTED FOR LAND IRRIGATED IN 1929—Continued

				Annual ass	ecement.			Water			
District	Assessed va	aluation per ac	ere, 1930	per acre usual va	and of	Diverte	d, 1929	Average	Estimated cost to land irrigated, 1929		
District	High	Low	Usual	1929	1930	Acre-feet	Acre-feet per acre	toll per acre-foot, diverted	Per acre	Per acre-foot, diverted	
a Mesa, Lemon Grove and Spring Valley indsay-Strathmore	100 00	\$75 00 1 00 100 00	\$350 00 140 00 100 00	\$9 10 19 22 9 50	\$9 10 19 99 10 00	3,410 15,340 1,900 12,799	.87 1.61 .95	\$38 44 10 00	\$42 45 35 37 9 50	\$48 79 21 97 10 00	
Maxwell Merced		5 00	125 00	7 50	7 50	536,000	4.25		7 50	1 76	
wereeu Modesto Naglee-Burke	150 00 100 00	40 00 60 00	80 00 100 00 45 00	4 48 9 00	4 24 10 00 27	329,242 6,183 13,053 603	4 96 3.36 3.11 1.95	2 38 11 32	4 48 9 00 7 40 32 03	90 2 68 2 38 16 43	
Newport HeightsNewport Mesa	1,100 00	700 00 600 00	800 00 600 00	10 00 12 00	11 60 12 00	476	1.19	6 45	19 68	16 5	
Oakdale	145 00 100 00	10 00 50 00	55 00 100 00 100 00	3 58 2 00 7 62 15 69	3 52 2 00 9 64 15 25	147,846 3,425 1,250 205,000	6.34 1.66 1.24 6.34	5 02	3 58 10 31 7 62 15 69	56 6 21 6 15 2 47	
Palo Verde	100 00	40 00 2 00	90 00 67 50	5 06	5 06	3,924	1.19		5 06	4 2	
Potter ValleyPrinceton-Codora-Glenn	60 00 70 00	3 00 65 00	60 00 67 50	1 50 3 04 6 38	2 67 3 04 6 38	2,700 53,078 90 977	$1.75 \\ 12.72$	1 45 34 5 26	4 04 7 32	2 3	
Provident Ramona San Dieguito	50 00	60 00 40 00 100 00	75 00 50 00 400 00	3 50 14 00	4 00 12 00	138 1,721	2.30 .91	36 08 12 68	86 48 25 59	37 60 28 13	
Santa Fe San Ysidro South Montebello	450 00 300 00 850 00	60 00 20 00 850 00 20 00	200 00 250 00 850 00 100 00	12 54 12 50 17 00 6 45	13 18 12 50 17 00 7 10	2,356 460 1,085 224,747	.98 3.54 1.31 4.14	23 09 10 08	27 08 94 21 30 23 6 45 9 13	27 63 26 6 23 0 1 5 3 3	
South San JoaquinStinson	50 00	50 00	50 00	4 25	4 25	16,176	2.70		10 55	7	
Table Mountain Terra Bella Thermalito Tracy-Clover	150 00	100 00 50 00 120 00 100 00 150 00	125 00 100 00 150 00 100 00 150 00	6 00 9 50 10 80 8 50 3 00	6 25 10 00 11 18 9 00 4 50	3,815 5,919 3,875 1,498 11,400	14.62 1.50 1.97 1.66 1.70	12 00	27 56 10 80 8 50 3 00	18 3° 5 4° 5 1° 1 7°	

Tulare	200 00 150 00 200 00 175 00 1,000 00	50 00 40 00 200 00 135 00 1,000 00	100 00 100 00 200 00 150 00 1,000 00	4 50 18 00 11 70 10 00	50 4 25 18 98 11 70 10 00	1,000 473,944 1,852 6,450 1,626	3.54 1.68 1.57 1.78	8 78 16 31 2 76	4 50 32 79 37 24 14 93	1 27 19 52 23 72 8 39
Waterford	200 00 100 00 55 00 150 00	5 00 100 00 45 00 25 00	120 00 100 00 50 00 100 00	6 55 4 50 1 17 2 00	7 08 5 75 2 00 2 00	23,645 20,800 8,168 34,030	4.48 1.84 2.18 5.50	2 35 2 09 36	6 55 8 82 5 72 4 00	1 46 4 79 2 62 72
Total diverted.						6,366,642				

	Waterfalls 1928 am	01	sement, 1920-	oaaf.	+	200	-8591 Jaconia	192A		Percentage of testescent remaining myste anarty 1 (20), for assess one 1130-27 to 1728-29						prodesment tax mrv 1, 19 80.1 ears 1026-97			•
6861	8201	lateT tuemasetes beivel	Rate per \$100 of valuation	Tela! Risoseti Valnavlon	ersteininge of desarrough desarrough on date or dax sale	zol confilmentes bios	lajo3 Lagrando Lagrando Lagrando	req staff. lo 0013 morrentes	Lead Leagues apidable	Digit.		8501-79	7201-0201	late1				20 17 ib 10 +	ransid Let
\$74 132 None None 78 220 28,008	Sad 142 Vode Vode 75,748	\$12,612 123,612 118,787 129,253 7, 502	2.88 2.88 3.60 9.00	\$426,116 3 202,526 1 397,492 2 187,556 600,991	24.1 20.2 12.2	17,75b 15,868 18,040 1,075 1,075	\$47,858 80,887 101,101	00 81 31 9 63 8 60 8	860,881,5 143,0088 143,004 143,004 143,008	2.2 8.8 7.7 0.0	3.14 8.3 0.21 8.0	2 b 6 b		\$4,372.1 2,578 27,583 1,037	17,78 10,000 17,778 1,047	8277.53 7.050 8.276	\$1,271 6,722 8,722 3,980	i i i i i i i i i i i i i i i i i i i	A CONTRACTOR OF THE PARTY OF TH
30,098 11,355 5,500 Voice	28,716 Nane 5,840 Nane	000 V8 12,853 200 M 100 M	9.50, 2.50 Nooe Nooe	000,000 001,404 001,404 001,406	10 7 None None 11.4	9,514 None None 4,085	14,015 5,171 None 29,595	11 00 0 70 None 0 50	400,140 (33,125) (32,125) (Nam	7 81 0 0 0 0 0 0 1 5 2	6,91 0,0 0,86	12.8	6. F	858.86	8,968. None Rone 22,891.		None None None None 8 837		Hanter Greek Begament His Posings Hanwe's Variet Bucks Variet
84,185 - None 7,871 None	87,529 8,000 6,000 Mone	22,159 10,041 21,931	62 A 61 8 61 8	1,597,887 849,625 250,512 216,227	0.0 0.0 0.21	2,700 2002 4,050 2,795	700.00 088.01 088.01 088.01	07 5 00.8 00.8 00.0	1 756,803 2 10,626 249,902 3 15,706	1.8 None 5.6		4.5 9801 1.3	L D None 1 B	4,107 Notes 4,177 4,325	1,864 Nome 2,910 2,910 2,030	1,282 Vone 1,282	None None 700		(aradama)
7.018 330 14.718 Youn	13,480 204 13,887 Nose	247,342 231,342 200,003 100,003	2.11 2.20 2.00 2.08 5.08	000.018 535.15.0f 000.011.5 168.00	7.1 7.1 7.8 3.1	8,808 918,219 9,170 9,170	36,620 284,519 106,050 20,516	4,85 2,30 2,08 5,25 5,25	000,108 488,828,01 188,081 N 071 098	6 8 8 8 8 8 7 17		8.8 1.6	17.0 1.8 1.8 1.86	088.7 198.78 18,700 18,264	8,008 1,04,04 0,1,0 100	\$30 4,154 6,704 718	2.449 1.879 2.856 6.342		Conspientiale (sur Consolidated
04.540 804.540 800.700	None 2,366 None 5,472	638 8 824 421 82 64 65 63	8, 8 7, 6 7, 6 8, 20 8, 20	2,000,000 107,980 107,984 2,000,000	Vorus 3 8 3 0 0 0 5 1	None	699,8 1 801,521 180,81 180,81	06 # 87.83.43 98.8 06.0	17,771 18,626,291 948,459 183,759	1 f	\$78 T	6.0	15.6	None 5,050 1,325	Voue 7,070 10 10	onov. onov. onov. onov. onov.	None None 123		Crooks Canyon Deer Creek Edd Ambra Collad Ed Campo
at 984 None None None	N. 015 None None None	9.711 316,197 11,080 27,164 400,750	7 1 70 7 1 00 1 00 1 00 1 00 2 0	21,510 840,981 930,866 2715,408 13,428,986	0.00 0.00 0.00 0.00 0.00	18,781 18,781 16,017 18,740	167,07 671,61 684 (8 60,000	2.75 1.68 2.25 2.35 2.36	618 481 667 410 609 048, 504 488,81	7.8 7.02 4.02	15.3° 20.6	2 a 3 0	e 1 a 0	787.1 896 000,31 28,778	7,724 7,68 15,660 18,646	881,-L			tografile T
130 741 000 000 None 256,030	200,487 00,077 00,077 00,077 00,000	327 685 36,113 19,120 2,472,720	05.8 27.0 00.01 00.0	5 041,529 335,010 101,205 49 454,608	28.2 07.0 22.2 13.4	85,313 43,186 4,615 354,800	38,571 38,571 9,518 18,875 1,816,138	05 0 10 0 00 0 00 0 00 0	0 020.906 117.387 1011.706 188.759 48.268.601	0 71 4 70 c 8 61 7 7	22.2 57.6 22.2 10.3	8,51 0,58 16,77	8 11 184 8 7 8 6	196,725 98,857 9,886 922,930	85,313 37,034 None 4,615 272,372	53.117 40.765 7.608 3.603 391.780	68.205 10.060 None 1,631 148,805		Hemre Johnson Valley.
600W 802.8 680.78 844.88 900W	905/0 60808 67,642 2,042 1,046	22,010 22,010 21,094 21,094 21,094	0.25 4.76 4.78 4.73 4.71	204,000 (86,620 8,464,005 1,284,780 767,634	0.0 0.0 0.0 0.0	110.6 (11.47) (12.47) (2.57)	Nume 22,958 160,996 24,986 1,920	None 3.75 4.70 1.73 -1.73	300 480 5 651,664 3,612,023 1,373,310 7,875	4 0 94 9 9 8 0 8	None 9 93 95	None 1, 5 27, 7 0, 3 0, 3 4, 5	None None 1.5 None 1.	71 4:323 4:326 2:64 2:64	17 118,8 147,171 147, 147, 148,	900 005, EET 00 186	Nobel 100,601 3, 2,074		Bounds
None None 157,457 None	None A,194 108,749 None	\$3,474 000,46 0,003 0,003 0,104,517	1.75 2.30 4.25 2.60	3,055,631 2,028,266 139,250 6,827,566	1 6 0 3 1 88 1 8 4	2,170 6,840 1,860 38,57)	57 150 60,200 6,007 158,902 None	1.85 2.50 1.25 2.90 2.90	8 060,200 2 228 277 117,818 4,150 079 Notes	8 8 8 8 1.05 8 7	2.05 7.05 33.77 1.77	8 8 6 6 0 0 V	0.0	5,093 12,489 3,051 37,321	2,170 6,819 1,800 43,571	1,493 6,712 62 41,832	1,500 4,958 7,150 1,924	yalle V anin E him svo	lakeside
Nose Nose Nose Nose Nose Nose	141,989 None None	304,457 20,410 40,960	9 50 9 50 9 AO	2,132,055 307,300 10,243,146	16.4	11,869	29,205 29,205 None None 245,445	13.73 9.50 None None 27.83	2 105 621 200,651 Mone 441,555	12.9 0 10 0 0	16.2	28.1 28.1 6.0	0.08	28,849 168,08 288,8	49,789 10,847 None	73,878 10±,9	31,687 9,583 Vone		Index Strathmore Littlerick Creek Littlerick Creek Littlerick
Young None None	Vonev Vone None None Vone	167 MH2.1 804.105 201.1 844.801 218.85	00 0 08 8 08 0 08 0 00 0	20 270 125 1,441,660 581,200 1,141,630 268 124	9, 0 8, 8 1, <u>20</u> 1, 01	130,684 10,295 10,295 1,006 2,651	L941,214 = 416,124 = 416,124 = 45,000 = 42,777	00 8 06 6 00 P 00 E	20.088.300 7.439.730 5399.327 2.138.388	0 1 0 1	0 10 8 1	8.0	7 1 6 0	150.036 14.001 14.001 1.777.11	83928 981,8 981,8	42,236 2,808 4,808 1,741	24.472 2.512 246 235		Moreed Modesto II. Mohse-River Montagne
#64.68 678,6 177 187 188	808.8; 198.6 182 9004 56.88	870,87 118.00 118.00 108.8 868,810 861,84	06.04 23.14 00.5 31.6 100.5	180.008.1 000.584 180.221 071.008.4 091.032.03		1,538 922 927 1,521 800	8 135 8 135 8 136 8 146 8 146 8 146	500 M 52 1 00 E 00 E 00 E	18,830 185, 1,432,845, 431,751, 4,300,000, 2,220,485,		0 c 0 c 0 c	2.5		70000 2,121 200 300 70,215 1,874	None 1,535 107 108 27,163 154 154	9807 164 900 878 82 200	Years 102 103 81 81 81 81 81 86 86 86 86 86 86 86 86 86 86 86 86 86		Versels Newport Hagata Newport Mess

N	Ja	Unredeemed to nuary 1, 1930, years 1926-27	for assessmen	ı		unpaid Janua	essment remain ry 1, 1930, for 1926-27 to 1928			Ass	sessment, 1928	1-29		Assessment, 1929-30			Water tolls 1928 an	s collected d 1929
Name of district	1927	1928	1929	Total	1926-1927	1927-1928	1928-1929	Total	Total assessed valuation	Rate per \$100 of valuation	Total assessment levied	Tax certificates sold	Percentage of assessment delinquent on date of tax sale	Total assessed valuation	Rate per \$100 of valuation	Total assessment levied	1928	1929
Alpaugh Alta Anderson-Cottonwood Banta-Carbona Bard	\$1,274 5,722 3,930	\$2,326 7,050 8,275	\$772 10,606 15,778 1,037	\$4,372 23,378 27,983 1,037	2.9 3.5 3.0	5.3 4.2 6.3	1.5 6.8 12.0 0.9	3.2 4.8 7.1 0.3	\$390,214 5,349,775 1,405,641 2,158,036	12.00 2.63 8.50 5.00	\$47,353 140,887 119,478 107,901	\$17,756 15,868 16,043 1,975 2,563	34.1 10.2 12.2 1.7	\$426,116 5,202,528 1,397,492 2,137,558 600,991	10.00 2.38 8.50 6.00 .25	\$42,612 123,612 118,787 128,253 1,502	\$55,742 None None 75,748	\$74,132 None None 79,330 23,098
Baxter Creek Beaumont. Big Springs Brown's Valley. Butte Valley.	3,547 None None 8,337	5,108 None None 22,392	8,963 None None 22,894	17,618	8.8	12.8	18.5 0.0 52.6	13.7 0.0 0.0 35.2	400,140 453,125 None 602,493	11.00 0.70 None 6.50	44,015 3,171 None 39,595	9,544 None None 4,985	19.7 None None 11.4	399,960 494,105 384,310 638,451	9.50 2.50 None 6.50	37,996 12,353 None 41,499	28,716 None 5,840 None	30,098 11,255 5,800 None
Byron-Bethany Camp Far West Carmichael Carpenter	672 None 775	1,571 None 792	1,864 None 2,610	4,107 None 4,177	1.0 None 3.5	2.0 None 4.1	2.4 None 11.9	1.8 None 5.6	1,706,893 349,625 249,262	4.10 3.00 8.00	69,967 10,488 19,940	2,706 None 4,089	3.5 0.0 18.6	1,697,837 349,625 250,512	4.25 3.16 8.75	72,158 1 0,94 5 2 1,92 0	31,529 None 6,000	34,688 None 7,871
Citrus HeightsCompton-DelevanConsolidatedCorooranCorduaCrescent	1,007 3,442 1,879 2,856 6,842	1,288 336 4,154 6,764 718	2,030 3,608 10,461 9,170 694	4,325 7,386 16,494 18,790 8,254	3.0 6.2 0.7 3.1 28.0	3.8 0.8 1.6 8.8 3.1	5.8 8.5 4.1 7.8 3.1	4.2 5.2 2.2 6.5 11.7	315,796 894,090 10,523,634 5,160,551 390,779 479,960	10.00 4.35 2.20 2.08 5.25	31,579 38,870 231,519 106,959 20,515	2,796 3,608 18,219 9,170 694	8.0 8.4 7.1 7.8 3.1	315,257 846,090 10,515,552 5,140,000 390,854	10.50 4.11 2.20 2.08 5.08	33,102 34,754 231,342 106,963 19,855	None 18,460 304 13,887 None	None 7,649 330 14,718 None
Crooks Canyon Deer Creek East Contra Costa El Camino Un Dorado	None None None 123	None None 292 390	None 5,050 19 812	None 5,050 311 1,325	0.6	0.5 2.2	3.4	1.1 0.3 2.4	177,713 3,626,201 943,480 2,103,731	4.30 3.73 4.80 0.80	6,495 135,102 45,287 16,109	None 5,050 19 1,093	None 3.4 0.0 6.1	177,713 3,603,979 943,384 2,036,291	3.30 3.73 4.80 0.65	5,865 134,428 45,282 13,236	None 82,366 None 5,472	None 94,540 None 59,100
El Nido Fairoaks Failbrook Foothill Fresno	955 63 4,994	1,108 45 15,138	2,724 788 15,060 18,646	4,787 896 15,060 38,778	4.9 0.5	6.2 0.8 3.0	15.3 4.7 20.6 3.7	8.7 2.6 20.6 2.6	339,815 919,733 2,849,999 18,424,164	4.75 1.65 2.25 2.50	16,141 15,175 66,483 460,604	3,721 842 16,017 18,646	20.9 5.0 21.9 3.7	571,510 340,981 920,866 2,715,408 18,429,985	1.70 4.75 1.20 1.00 2.50	9,714 16,197 11,050 27,154 460,750	22,015 None None None	21,984 None None None
Henn-Colusa Trenada. Hemet Hot Springs Valley mperial.	58,295 19,060 None 1,631 148,808	53,117 40,763 None 3,603 201,750	85,313 37,034 None 4,615 272,372	196,725 96,857 9,849 622,930	14.5 43.2 7.8 5.5	13.8 83.0 17.3 7.6	23.2 57.5 	17.0 61.4 15.8 7.8	5,020,906 871,597 1,034,795 188,759 48,263,664	$\begin{array}{c} 6.50 \\ 6.72 \\ 0.90 \\ 10.00 \\ 5.00 \end{array}$	334,280 58,571 9,313 18,875	85,313 43,186 4,615 354,800	23.2 67.0 	5,041,529 835,010 191,205	6.50 6.72 	327,699 56,113 	134,065 None None None	139,744 None None None
sland No. 3 acinto	None 473 106,661 3 2,074	None 509 181,439 66 384	71 3,341 175,179 147 83	71 4,323 463,279 216 2,541	None 1.3 89.3 None 49.7	None 1.4 97.7 0.3 4.5	None 9.2 93.8 0.5 3.9	4.0 94.2 0.3 17.2	209,489 687,654 3,612,923 1,373,310 778,506	None 4.75 4.70 1.75 0.25	2,413,183 None 32,958 169,806 24,035 1,929	123 3,341 175,179 237 83	9.2 93.8 0.9 3.9	49,454,608 208,000 686,520 3,468,305 1,296,780 787,934	0.25 4.75 3.73 1.75 1.25	2,472,730 520 32,610 129,377 22,694 9,849	899,360 None 2,221 57,692 16,299 None	596,050 None 3,203 67,036 23,454 None
aguna akeland akeside a Mesa, Lemon Grove and Spring Valley .emoore	1,430 1,958 1,159 1,924	1,493 3,712 32 11,832	2,170 6,819 1,860 23,571	5,093 12,489 3,051 37,327	$2.0 \\ 3.8 \\ 28.4 \\ 1.2$	2.3 5.8 0.5 7.0	3.4 10.3 33.7 13.4	$\begin{array}{c} 2.5 \\ 6.8 \\ 20.1 \\ 7.5 \end{array}$	3,089,200 2,328,277 117,818 6,159,079 None	1.85 2.59 4.25 2.60 None	57,150 60,200 5,007 159,902 None	2,170 6,819 1,860 23,571	3.4 10.3 33.7 13.4	3,055,631 2,328,266 133,250 6,327,566	$\begin{array}{c} 1.75 \\ 2.36 \\ 4.25 \\ 2.60 \end{array}$	53,474 54,906 5,663 164,517	None None 4,104 158,749 None	None None 3,829 157,457 None
indsay-Strathmore ittlerook Creek	31,687 9,583 None	33,873 9,461 3,333	49,789 10,847 None	115,349 29,891 	1.5	9.5 29.1 5.0	15.2 34.0	12.9 31.0 5.0	2,165,631 309,651 None	13.73 9.50 None None	297,339 29,295 None None	53,215 11,869	16.4 36.8	2,132,055 307,300 10,242,145	14.28 9.50	304,457 29,419 40,969	141,989 None None None	155,848 None None None
Aereed	24,472 2,512 	42,236 3,803	83,928 8,186	150,636 14,501	1.7	3.1 0.8	6.2	3.7 1.0	881,955 20,686,900 7,439,720 539,327	27.83 6.00 5.60 1.00	245,448 1,241,214 416,624 5,393	130,654 16,298 None	9.6 3.5	20,279,175 7,441,660 551,200	6.00 5.30 0.20	1,216,751 394,408 1,102	None None None	None None None
Montague Naglee-Burk Vevada Vewport Heights. Vewport Mesa	None 152 31	1,625 1,741 None 431 308	9,900 1,783 None 1,538	11,772 4,349 None 2,121	4.7 2.9	7.5 6.2	21.0 6.8	15.9 5.3	2,138,868 264,705 13,839,145 1,428,845	2.00 9.00 None 1.25	42,777 23,823 None 17,860	9,900 2,654	22.1 10.1	1,181,650 268,124 12,329,641 1,435,220	9.00 10.00 0.60 1.45	106,349 26,812 73,978 20,811	None None 78,363 5,691 2,481	None 63 85,209 6,972
DakdaleDroville-Wyandotte	20,136 656	22,619 622	27,463 546	70,218 1,824	$\begin{bmatrix} 0.3 \\ 7.6 \\ 1.3 \end{bmatrix}$	3.3 7.3 1.3	5.0 8.9 1.1	2.9 8.0 1.2	421,751 4,300,000 2,229,485	2.00 6.50 2.00	8,435 279,500 44,589	$\begin{array}{c} 623 \\ 27,463 \\ 899 \end{array}$	6.7 8.8 1.8	422,362 4,302,470 2,259,893	$\begin{bmatrix} 2.00 \\ 6.40 \\ 2.00 \end{bmatrix}$	8,447 275,358 45,198	2,481 None 32,332	3,071 734 46,443

TABLE III.

SUMMARY OF TOTAL ASSESSMENTS LEVIED. TAX CERTIFICATES SOLD AND UNREDERMED PERCENTAGES
OF ASSESSMENTS DELINQUENT, AND WATER TOLLS COLLECTED IN CALIFORNIA IRRIGATION DISTRICTS.

	Yasewincht, 1930-30 Water tulk collected					105	sment, 1928-2	sur A			ocieme'i /#80a 11, 1430, for 20, 27 to 1923					redeemed tax arv t 1980, D bara 1986 97 t		
6461	8201	late T Inconsects below	Nate net \$100 of variation	bessed bessed notionary	deep lage of sales of sales are daily of sales are lage of the sal	TATE OF	lajoT Jašmase s Lotvol	Had per \$400 of valgation	r (le)dT besessa god-side	tano T			102014020X	LeteT			120)	Number of district
\$74.131 Wone Wone 79.230 28.008	SAV 666 ene/ ene/ ene/ ext.c.	1,913 1,032 1,032 1,032 1,032 1,042 1,943	80.00 2.88 3.68 0.00 0.00	5426.116 5,302,528 1,387,482 2,187,556 600,901	1 45 5 01 5 81 7 1	387.712 808.81 90.81 670.1 870.0	350,714 360,837 371,007	12.00 5.65 6.55 6.50 6.00	418,01.85 671,048,0 144,364,1 980,831,0	9. E. 8. k 1. 7 9. d	3.15 8.3. 0.21 0.0	6.3 4.2 6.0	8 3 8 6 0 8	84,872 86,876 27,983 1,983	\$772 10.606 15,778 1037	\$2,1,0 7,050 8,276	\$1,274 5,722 3,986	Nemeila Alle Autrison Cortony and Bury Larbons
200,08 358.11 008.3 stol	88,718 None 5,840 Nose	\$7,498 Note Note 10,858 Note 11,498	9.50. 14.5 Nove Nove 6.59	089,000 501,401 016,435 184,830	19 7 None None	9.544 None None 4,955	5,171 None None 14,016	00 LF 0 01 0 900 M 90 0	400,150 157,155 180,150 102,495	7.87 0.0 0.0 0.0 0.0		8 21	8.K	870.71	8,003. None None 22,801.		1,947 None None 1,847	Haytor Greek a Sopernour Black Page 1997 Black B
84,488 None None	None (None (20,168 21,983 21,983 23,102	4,25 3,10 8,70 10,80	1 607,887 849,628 250,512 818,287	0.0 0.0 0.81	2,706 2,780 4,089	700,000 088,01 089,01 030,01	07 8 00 8 00.3 00.04	\$19,867.1 \$19,623 249,202 25,719	None 6 8 6 8	8.6 8.11 ₆ 8.60 y 18	A S Sene L L		4,107 None 4,177 4,325	7,030 2,030 2,030 2,030	1,571 That 1,388	0.00 (Hyron-bothany (amp Fer West (armitches) (armitches) (armitches) (armitches) (bround the thick th
930 Y 930 Y 930 Y	13,480 304 13,887 Noze	34,134 231,342 408,069 10,855	17.4 08.6 80.8 10.6	080.018 000.717.01 000.717.0 00.817.0	8.4 7.7 8.7 8.1	0,808 9,18,219 9,170 694	38,870 281,519 106,050 20,515	4.35 2.20 2.08 5.20	060,108 10,500,001 10,500,7 00,77 000,074	6.5 6.8 5.8 7.11	E 20 1 P - 1 8 T - 1	3 () 6 J 6 B	0.7 0.7 3.1 38.0	286 101.04 18.00 18.81	# 100 to 1 07.1 k 07.1 k 400	836 4,134 0,764 118	0.842 0.845 0.846	Complencibile von Consolidated Consolidated Consolid Cressing
Vens None None 59,190	None None 5,372	6,805 104,406 40,000 40,000	8, 80 8, 78 8, 20 4, 20 0, 65	2,003,979 2,003,979 945,984 2,036,294	ano/ 4.6 0.0	566.7 60.6 91 504.1	69,8 601,681 782,81 86,81	06 F 87.8 88.6 08.6	187,771 1820,201 183,160 183,160	1. f 8.0.	£ 5	8 0		None 5,050 1,014 1,825	7,000 5,000 10 10 10 10 10 10 10 10 10 10 10 10	7,050 7,080 208 208 390	Nohe None None 1 None	Grode Cstyon Deuf Coek Eta Gopter Code Et Goston Et Domdo
ASQ 18 Mone Mone Mone	N.016 None Nane Nane	9,711 16,197 14,080 27,154 400,750	1 70 2 1 75 0 1 20 1 00 2 50 2 50	240.810 240.881 - 920.886 2.115.408	0.00 0.0 0.10 0.15	7,723 842 76,017 15,040	10,141 11,175 40,483 (60,104	87.4 70.4 82.5 8.50	618.081 867.010 600.088. 800.008.81	8.7 20.0 20.0 20.0	15.8 20.6 20.6	9 0 3 0	8.4 3.0 1.0	787,8 808 20,000 28,775	785 788 15,060 15,060	801.1 66 881.01		EFWido Faltons Fallons Fallons Fallons Fallons Fallons Fallons
800 050 800 800 800 800 800 800 800	134,465 None None None	577,699 59,118 19,120 2,472,730	00 00 00 00 00 00 00 00	5.041.523 285.010 101.205 49.454.608	\$ 85 0.78 8 50 0.81	40,813 40,486 4,645 334,800	14,280 58,071 18,075 18,075 2,416,186	0.5 d 57 d 0.0 d 00.01 00.01	0.000,000 0.000,000 0.000,000 0.000,000 0.000,000,	0 11 1 10 - 10 8 8i 8 7	01.05 8 78 0.01	8.62 9.38 16.11 17.31	\$ 11 189 187 7 6 6	196,725 768,867 9,846 9,846	85,316 37,034 None 3,015 4,015	53.117.40 40.763.4 2.603 2.603 2.51.750	19,265 19,060 1,631 1,631 1,631	Greno-Colinea Granada Hami Let Springs Valley Topyrial
None B.208 87,080 28,454 More	Nosc 3,921 10,593 10,598 Vone	056 040,55 778,951 496,75 646,8	9.25 4.76 9.73 1.71 1.71	208,000 080,620 8,468,005 1,296,780 987,984	9.60 9.50 0.0 0.6	128 2,341 175,170 227 287	Neme 132,058 160,506 160,506 1,020 1,020	None 4.75 4.70 4.70 1.73	300,489, 5,012,065 3,012,065 1,378,310 7,878,310	0 b 0 b 0 b	None	Xona 1,1 1,4 97.7 0.3 0.3	None 1.3 None None 49.7	71 462,270 463,270 210 210 2.041	71 3,841 4,171 147 147 63	9000 900 900 131,430 00 188	None 478 109,661 3,974	do No hasia consult entral entral absun, al
None None S.856 S.876 None	None Juna 4,194 158,749 None	\$75,85 803,85 808,6 \$08,6 \$13,681,	1.75 2.25 4.25 4.25 2.60	3,055,631 2,029,256 133,250 6,327,666	1 6 2 01 7 1 88 1 1 81	3,176 0,810 1 380 1,170,31	57.150 -00.200 -0.007 -150,002 N One	1.85 2.59 4.25 2.00 2.00	4 089,200 2,28,27 117,815 117,815 6,187,079	8 8 8 8 1 06 8 7	1.8 30.3 7.88 1.81	6.0 6.0 0.7	2 0 0 8 & 1.80 0 T	7,093 12,483 3,051 37,321	2,170 0,815 1,860 23,571	1,483 6,712 11,682	087,1 888,4 087,T 189,f	Laguns Lakeisad Lakeido Lakeido Lakesa, Lamoa Grove and Eniar Valley, Lemon
No 345 None None None	141,989 J.None None Wone	204,457 20,410 40,980	14,28 9,50 0 A0	2,132,055 , 307,300 10,243,146	19. f 30. 6	57,215 11,809a	207.839 29.205 None None 245.448	13.78 9.30 Nose Nose 2.88	9 105,821 200,951 None	9.81 9.16 9.2	8 81 0.10	1.05	1.000	200,5 10,000	40,780 10,847	23,878	31,682 0,583 None	Lindsay Stratitioner Littlervolt Creek Littlervolt Creek Littlervolt Littlervo
puo/ ore	None None None None None	16 (A12,1 806,100 501,1 814,801 218,85	00 9 08 6 80 0 00 4	20 270 175 , 441,660 561,200 1,151,650 288,124	0.0 5.5 1.20 1.00	130,684 16,288 10,000 2,000 2,653	# #15,755J #43,764 #5,664 #3,773	00.3 00.5 00.4 00.2 00.2	20,880,300 7,430,730 380,327 2,135,808 264,705	5 c 0 r	8 1 0 12	0	1 7 1 0 6 0 7 1 7 2	150.636 106,63 + 6777.13	889 88 681,8 080,8 897,1	828.1 3,808.6 4,808.1 1,741	29,472 2,512 2,512 246 325	Morgado Monara River Montagra
#65 670,1 #67 (5)4,84	268.87. 108.9 188 9007. 218.88	510,61 118,02 118,02 118,01 15,106	06.0 06.4 1.45.1 0.0 0 0.46 0.00 2.00	18.329 0.124 0.25.524 0.25.024 0.25.024 0.25.034 0.25.035	8 F 2 A 3 A 3 A 4 A 5	288,1 629 604,72 988	000 /2 008 / 1 008 / 1 008 / 1 008 / 1 008 / 1	Xone 1,25 2,00 6,50 5,00	18,830,145 ; 4416,845 ; 421,731 ; 4300,000 ; 2,220,485 ;	100 C C C C C C C C C C C C C C C C C C	8 T 0, 5 0, 2 1 1	2 S	8.0 8.0 8.0 8.1	7,000 2,181 200 200 20,318 1,834	Yone 1,335 40 27,163 54,03	9807. 164 800 910.80	200 Veine 191 193 20,336 950	Vagles Emi Vergate Vergat Haght Vergat Verg Oktale erevill - Wyadahie

SUMMARY OF TOTAL ASSESSMENTS LEVIED, TAX CERTIFICATES SOLD AND UNREDEEMED, PERCENTAGES OF ASSESSMENTS DELINQUENT, AND WATER TOLLS COLLECTED IN CALIFORNIA IRRIGATION DISTRICTS

TABLE III Continued

	Ju		tax certificates), for assessmen 170to 11928-29			unpaid Janua	esment remain ry 1, 1930, for 1926-27 to 1928			Ass	sessment, 1928	-29		Assessment, 1929-30			Water tolls collected 1928 and 1929	
Name of district	1940	192928	1 TE929	Fato D.T.	11926-1927	1927-1928	1928-1929	Total	Terial assessed waluation	Rate per \$100 of valuation	Total assessment levied	Tax certificates sold	Percentage of assessment delinquent on date of tax sale	Total assessed valuation	Rate per \$100 of valuation	Total assessment levied	1928	1929
Owens Valley																		
Palmidale. Pale Verde. Parailise. Potter Valley.	171,380 5,309	\$25,971 255,239 .77,381 None	\$31,638 256,148 11,314 None	\$118,483 682,767 24,004	772.3 30.0 10.2	53.2 37.8 14.4	78.7 39.7 22.1	68.3 32.8 15.7	\$470,812 4,974,780 620,203 256,585	7.62 17.34 7.50 2.50	\$36,561 758,365 46,516 6,414	\$31,638 256,148 12,146 None	78.7 30.7 23.7 None	\$473,854 4,908,960 621,332 256,116	9.64 16.95 7.50 44.5	\$45,680 731,656 46,600 11,397	\$3,960 None None None	\$4,18 Nor Nor 3,91
Princeton-Codors Gienn Prevident Ramona	32,956	1,926 3 34,70 8	3,57 6 49 49,799	5,933 117,458	0.9 22044	4444 2229	7.9 32.9	4.4 25.3	939,270 1,616, 52 0 72,600	4.50 8.50 7.00	40,768 137,404 5,082	4,811 49,830 None	10.7 32.9 None	939,000 1,616,520 74,073	4.50 8.50 8.00	42,225 137,404 5,926	17,846 57,992 4,699	17,71 40,03 4,97
Red Rock Creek.		249	3/568	'861	0.0:1	-00:6	1.5	0.7	1,121,256	3.00	33,637	780	2.1	1,126,659	3.00	33,800	None	Nor
San Dieguita Sanza Fe San Ysidro Skott Valley Servano	4488 NNone	5.557 Nivone : 1171	6,847 5393 224	7,892 ,593 4401	0.016	100	955 0.6 4.1	3.8 0.2 3.1	1,881,119 1,518,209 98,870 256,135	3.50 6.27 5.00 9.00 None	65,839 95,191 4,943 23,052 None	7,152 593 224 None	9.9 0.6 4.1 None	2,072,368 1,578,000 105,040 256,235	3.00 6.59 5.00 8.00 None	62,171 103,990 5,252 20,499	21,565 27,539 10,244 None	30,24 34,90 10,73 Non Non
South Montsbello	5,5,939 2,509	121 9,590 18,881	165 111,536 229,498	286 27,065 50,888	None 1.2 44.8	.0:8 :1:9 :3:6	1.0 2.4 56.5	$0.6 \\ 1.8 \\ 32.4$	704,259 6,789,405 558,341	$\begin{array}{c} 2.00 \\ 6.45 \\ 8.50 \end{array}$	14,085 437,905 47,458	165 16,170 29,498	1.0 3.3 56.5	703,248 6,780,615 558,341	2.00 7.10 8.50	14,065 481,424 47,387	11,198 None 29,496	10,94 Non 29,19
StratfordTable Mountain	None	None	140	140	None	None	1.1	0.4	240,670	4.80	11,552	140	1.1	240,670	5.00	12,034	2,868	1,90
Terra Bella Thermalito Tia Juana River	4.012	20,257 3,728	3,132 5,790	61,238 13,530	8,8 110,19	17.4 10.6	24.8 16.5	$\frac{17.6}{12.7}$	$\substack{1,241,640\\442,408\\467,222}$	9.50 7.20 None	117,956 31,853 None	$37,655 \\ 6,431$	29.0 18.3	1,247,148 446,101	10.00 7.45	$^{124,715}_{33,235}$	85,497 None None	77,50 Non Non
Tracy-Clover Tranguillity	3,053	881 4.4,585	1,715 3,451	3,210 13,089	7:6	9:1 :13:6	17.7 20.4	11.1 13.0	103,380 1,212,526	8.50 2.00	8,787 24,250	2,073 5,451	21.4 20.4	103,380 1,248,724	9.00 3.00	9,304 37,462	None 2,152	Non 1,50
TulareTule		477	5.593	1,472	_2,4	3.7	4.6	3.5	1,978,870	0.60	11,873	593	4.6	1,869,721	0.50	9,349	500	35
Turlotk Vandalia Vista	4,4,313	6,937 1,334 19,505	12,564 1,334 48,720	23,814 3,926 69,030	.0.6 .5.0 .0.6	1.1 5.3 10.0	1.9 5.3 24.9	1.2 5.2 13.4	13,365,055 255,067 2,281,674	4.50 9.00 7.80	601,316 22,956 177,969	20,564 1,334 54,208	3.0 5.3 27.7	13,556,045 255,067 2,295,644	4.25 9.49 7.80	576,132 24,307 179,059	None 16,323 90,468	Non 16,26 105,19
Walnut_ Waterford West-Side West-Stanislaus	69 9 None	1,075 None	None 857 453 None	986 1,537	0.1	.0.1 .1.8	1.3	0.5 0.8	911,000 1,079,770 1,200,212 554,199	$ \begin{array}{r} 1.00 \\ 5.46 \\ 4.50 \\ 2.35 \\ \hline \end{array} $	9,110 58,955 54,009 13,023	None 945 473 314	None 1.5 0.8 2.2	$\begin{array}{c} 911,454 \\ 1,079,270 \\ 1,232,525 \\ 1,106,658 \end{array}$	1.00 5.90 5.75 4.00	9,115 63,676 70,870 44,266	2,799 None 42,168 None	4,49 Non 49,12 19,58
Williams Woodbridge	None	None	- 98	98			0.3	0.3	396,400 1,145,041	0.50 2.00	1,982 22,900	732	3.0	1,183,680	2.00	23,674	12,469	19,56
	\$782,517	\$1,110,133	\$1,452,353	\$3,346,003					\$239,350,299		\$10,712,850	\$1,651,882		\$246,741,302		\$10,661,334	\$2,119,210	\$2,236,03

SOMMARY OF TOTAL ASSESSMENTS DEVISO TAX CERTIFICATES SOLD AND UNREDEENED, PERCENTAGES OF ASSESSMENTS DEFINOURNI, AND WATER TOLLS COLLECTED IN CALIFORNIA BRIGATION DISTRICTS

Water tolls collect. Assessment, 1920-30 ala Vente cur us Effectivo (J-mosesta) 05.4 800.1 DO.E. OO. 1.38 cen Diegen. Seine Pr Sein Stadro 3 50 6 27 0 00 .008.7 188 704,259 141 00.13

SUMMARY OF STATISTICAL DATA RELATING TO BONDS AND OUTSTANDING WARRANTS OF CALIFORNIA IRRIGATION DISTRICTS, $^{\scriptscriptstyle 1}$ JANUARY 1, 1930

(Totals for each district are in bold face type)

TABLE IV

			Face value of					Status of bor	nd issues, Jan	uary 1, 1930			Interest l	bearing
Name of district	Number of bond issues	Dates of bonds	bonds voted including refunding issues	Range of maturities	Coupon rates per cent		Disposition of bonds		Disposition		Bond pay defa		warrants ou Januar 1930	у 1.
			Issues			Cancelled	Unsold	Sold	Retired	Outstanding	Principal	Interest	1930	1929
Alpaugh	1	July 1, 1916	\$283,000	July 1, 1927-1946	6	None	None	\$283,000	\$19,810	\$263,190	None	None	\$21,433	\$33,17
Alta	1	Feb. 15, 1889	1,175,000 675,000		6	None	\$140,000 132,000	1,035,000 543,000	763,000	272,000	None	None	None	Non
	1-Ref.	Feb. 4, 1902	500,000	Jan. 1, 1923-1943	5		8,000	492,000	542,500 220,500	500 271,500				
Anderson-Cottonwood		Jan. 1, 1916	1,255,000 480,000	Jan. 1, 1937-1956	6	None	None	1,255,000 480,000	85,000	1,170,000 480,000	None	None	None	Non
	1 2 3	July 1, 1917 July 1, 1920	575,000 200,000	July 1, 1938-1957 July 1, 1925-1934	6 6			575,000 200,000	85,000	575,000 115,000				
Banta-Carbona			1,164,000			None	32,940	1,131,060	None	1,131,060	None	None	42,588	42,00
	1 2 3	Aug. 1, 1924 Dec. 1, 1925	705,000 125,000	July 1, 1940–1964 July 1, 1941–1965	6			705,000 125,000		705,000 125,000				
Bard		Jan. 1, 1927	334,000 None	Jan. 1, 1948–1967	6		32,940	301,060		301,060			····	
Baxter Creek ¹		July 1, 1921	511,000	Jan. 1, 1926-1943	6	None None	None None	None 511.000	None	None	None	None	10None	10Non
Beaumont		July 1, 1921	300,000	Jan. 1, 1920-1945	0	None	None	300.000	None 36.800	511,000	\$63,000	\$130,350	None	Non
	$\frac{1}{2}$	Nov. 1, 1920 July 1, 1926	230,000 70,000	Jan. 1, 1926-1944 July 1, 1931-1950	6 6	140116		230,000 70,000	36,800	263,200 193,200 70,000	None	None	3,826	4,44
Big Springs	1	July 1, 1928	69,000	Jan. 1, 1930-1946	6	None	2,000	67,000	3,000	64,000	None	None	Nana	1 40
Browns Valley			140,000			None	None	140,000	140,000	None	None	None	None 1,454	1,48 Non
Butte Valley	1	Sept. 1, 1923	594,000	Jan. 1, 1944-1963	6	None	None	594,000	None	594,000	None	*87,600	None	Non
Byron-Bethany			650,000			None	None	650,000	43,000	607,000	None	None	None	5.00
	1 2	Nov. 1, 1920 Sept. 1, 1923	550,000 100,000	Jan. 1, 1924-1952 July 1, 1933-1955	6 6			550,000 100,000	43,000	507,000 100,000				
Camp Far West	1	July 1, 1927	200,000	July 1, 1937–1956	6	None	21 000	179,000	None	179,000	None	None	None	Non
Carmichael		Tuly 1 1016	120,000 90,000	Tuly 1 1092 1049		None	None	120,000	19,800	100,200	None	None	None	Non
	2	July 1, 1916 Jan. 1, 1926	30,000	July 1, 1923–1942 Jan. 1, 1933–1945	6			90,000	19,800	70,200 30,000				
Carpenter ¹		July 1, 1929	200,000	July 1, 1934-1953	6	None	200,000	None	None	None	None	None	None	Non
Citrus Heights	CONTRACTOR OF THE PROPERTY OF	Aug. 1, 1921	262,000	July 1, 1926–1945	6	None	47,000	215,000	24,000	191,000	None	None	None	Non
Compton-Delevan	1 1	Dec. 1, 1921 Jan. 1, 1927	959,000 575,000	Jan. 1, 1922-1936	6	52,000 52,000	126,000	781,000 523,000	397,000 397,000	384,000 126,000	None	None	None	Non
	1-Ref.	Jan. 1, 1927	384,000	Jan. 1, 1937-1950	6		126,000	258,000		258,000				
Consolidated	1	July 1, 1922 July 1, 1922	850,000 775,000	Jan. 1, 1924-1933	51/2	None	None	850,000 775,000	505,000 459,000	345,000 316,000	None	None	None	Non
Corcoran	2		75,000	Jan. 1, 1924–1933	5½			75,000	46,000	29,000				
Cordua		Jan. 1, 1920	760,000 454,000	Jan. 1, 1931–1955	6	None	None	760,000	None	760,000	None	None	35,000	70,00
Coldua	1 2	June 1, 1920	192,000	July 1, 1925–1940 July 1, 1925–1940	6	None	111,000	343,000 192,000	85,000 60,000	258,000 132,000	None	None	None	Non
	3-Ref.	June 1, 1921 June 1, 1925	75,000 187,000	July 1, 1925–1940 July 1, 1941–1951	6		10,000 101,000	65,000 86,000	25,000	40,000 86,000				
Crescent ¹			None			None	None	None	None	None	None	None	None	Non
Crooks Canyon ¹			80,000			80,000	None	None	None	None	None	None	None	Non
Deer Creek		Sept. 1, 1927	25,000	July 1, 1929–1938	6	None	None	25,000	2,500	22,500	None	None	None	Non
East Contra Costa4 Brentwood Knightsen	1	Jan. 1, 1924	1,324,000 514,000	Jan. 1, 1935-1954	6	23,000	None	1,301,000 514,000	45,000	1,256,000 514.000	None	None	None	Non
Knightsen Lone Tree	1	Jan. 1, 1924 July 1, 1921 Mar. 1, 1922	650,000 160,000	July 1, 1927-1946 Jan. 1, 1928-1947	6	23,000		650,000 137,000	45,000	605,000 137,000				
El Camino	1	Nov. 1, 1926	430,000	Jan. 1, 1937-1956		None	7,000	423,000	None	423,000	None	None	None	Non
	1st Div. 2d Div.			Jan. 1, 1937-1956 Jan. 1, 1940-1952	6			275,000 28,000		275,000 28,000				

SUMMARY OF STATISTICAL DATA RELATING TO BONDS AND OUTSTA DENG WARRANTS OF CALIFORNIA TRRIGATION DISTRICTS! JANUARY 1, 1930

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Totals for each distribution are in beid (and ryge)

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eneMark.	anol(4)	Wone	None	125,000 201,060 Volve	gno/A	SOLOGO None		enoVi			384,000 None	12 Q1			
enold	ene//	9130,350	563,600	511,000	None	nontre	enalA	Nene		1, 1936-1946	511,000	1:01			Bestler Choekt
4,443	3,029	enold	anel/1	283,200 198,200 70,000	30,800 80,800	300,000 280,000 79,000	enoVI	None	8 - 54 - 9 - 1	un: 1, 1926-1946 un: 1, 1926-1946 un: 1, 1931-1950	300,000 280,000 20,000				Pasumone
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anovi	1,464	anoVL(a	None			000,041	Nene				146,000			· ·	Browns Vailey,
angl4"	None	088,781		694,000		694,000	None	_ None _		5007-E101/1 in		3.00			Butte Valley
000.3	enevi.	ellovi	anoNks.	607,000 507,000 100,000	43,000	650,000 550,000 100,000		None	8	nd 121924-1658 up- 1,1953-1658	650,000 L 650,000 L 100,000 L	02 M 8: 87	l do v Lingia		P. gen-Bethany
опоИ	enolit		None	179,000	None	129,000	008 42	onel4		ule: 1, 137-1926	200,000	2007			Comp Fm Westing Land and Comp
engVI	None	None	None	700,200 70,200 30,000	19,800	720,000 90,000 80,000	None	enn/i	i a ii	iny 1, 1928-1948 in 1, 1932-1948		1 01 II 2-27	er wirk Franci		On mount)
enni4	ettold	Nana	anoM		Mong	None	200,000	Name		[\$664-668 i . i vin	200,000	g graf			Oarpentor
enoki .	0/10/1	None	None	000,194	24,600	215,000	42,000	enew .	0 -	oly 1, 1926-1995		91			Citrus Holebar
enoM :	anoFi	anoVI	nooli	000,888 120,600 288,000	397,000 397,000	781,000 - 129,000 - 238,000 - 2	126,000			ecel-Esel 1 .o.	500,860 000,8% 1 000,186	i.li		1. Heft	Congistor-Dejevan
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	oun se	Nume	eng//	290,000	None	760,000		Mone	à	1 4087-1966	7.50,000	0.00	tot. 1		Gateoran
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l angle	Wens	- Дове	l enoM	enoM	erieVI	None		None			Mone				Creipen H.Z.
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engit	enaid	aneV	None	22,800	2,800	000,89	aneM	None	0.0	Hy 1, 1929-1925	t, .600,88	distribution of the second	I. Jeod		Deer Greek
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onoM ·	entM	Wane	anolf	187,000 123,000 275,000	SacV	423,000 425,000 275,000 425,00	7,000	28,000 None		in. 1, 1928-1917 in. 1, 1937-1936 in1, 193 1936	420,000		Mar. I. Nov. I.	iek Div. 2d Div.	Elformation 2
1.,				28,900		28,000 120,000				nn 4, 1940-1952 n, 1, 1940-1956	A CONTRACT			Laylet be	

SUMMARY OF STATISTICAL DATA RELATING TO BONDS AND OUTSTANDING WARRANTS OF CALIFORNIA IRRIGATION DISTRICTS,¹ JANUARY 1, 1930

TABLE IV Continued

(Totals for each district are in bold face type)

			Face value of						Status of bor	id issues, Janu	nary 1, 1930			Interest I	itstanding
Name of district	Number of bond issues	Dates of bonds	bonds voted including refunding		Range of aturities	Coupon rates per cent		Disposition of bonds		Disposition		Bond pay defa	ments in ult	Januar 193	y 1, 0
			issues			75.4	Cancelled	Unsold	Sold	Retired	Outstanding	Principal	Interest ²	1930	1929
El Dorado	1	Mar. 1, 1927	\$1,300,000	Jan.	1, 1948–1967	6	None	\$700,000	\$600,000	None	\$600,000	None	None	None	None
El Nido			None				None	None	None	None	None	None	None	\$3,272	None
Fairoaks	1	Oct. 1, 1918	200,000	July	1, 1924-1943	6	None	40,000	160,000	\$36,000	124,000	None	None	None	None
Fallbrook											None			3,537	\$4,829
Foothill.	1	Sept. 1, 1927	2,270,000	July	1, 1948-1967	6	None	2,270,000	None	None	None	None	None	10,618	17,630
Fresno			2,000,000				None	None	2,000,000	1,500,000	500,000	None	None	None	None
	1 ~	Mar. 18, 1921	1,750,000	Jan.	1, 1923-1932	6			1,750,000	1,314,000	436,000				
	2	Mar. 18, 1921	250,000	Jan.	1, 1923–1932	6			250,000	186,000	64,000				
Glenn-Colusas	1	Oct. 1, 1920	2,887,000 2,587,000	Jan.	1, 1922-1941	6	\$182,850 182,850	15,000	2,689,150 2,404,150	1,030,300 1,030,300	1,658,850 1,373,850	None	None	91,190	67,800
	1-Ref.	Nov. 1, 1924	300,000		1, 1935–1941	6		15,000	285,000		285,000				
Grenada	. 1	July 1, 1921	240,000	July	1, 1926–1940	6	None	None	240,000	None	240,000	64,000	\$51,960	22,564	15,024
Hemet			None				None	None	None	None	None	None	None	6,320	4,409
Hot Spring Valley		May 1, 1920	160,000 100,000	Jan.	1, 1923–1936	6	None	None	160,000 100,000	58,000 52,000	102,000 48,000	None	None	10,000	6,400
	2	Oct. 15, 1921	60,000	Jan.	1, 1927–1939	6			60,000	6,000	54,000				
Imperial			16,000,000		1 1000 1055		None	None	16,000,000 3,500,000	900,000	15,100,000 3,500,000	None	None	176,036	225,614
	2	Jan. 1, 1915 July 1, 1917 Oct. 1, 1919	3,500,000 2,500,000	July	1, 1936–1955 1, 1938–1957	5 5			2,500,000 2,500,000 2,500,000	900,000	2,500,000 1,600,000				
	3 4	July 1, 1919	2,500,000 7,500,000	July July	1, 1925–1934 1, 1935–1956	5½ 6			7,500,000	900,000	7,500,000				
Island No. 3			None				None	None	None	None	None	None	None	None	None
Jacinto	1	Dec. 1, 1920	238,000	Jan.	1, 1923-1942	6	None	None	238,000	60,000	178,000	None	None	None	None
James	. 1	May 15, 1920	1,000,000	Jan.	1, 1928-1947	6	None	None	1,000,000	5,000	995,000	145,000	205,350	120	2,100
La Canada			328,000				None	None	328,000	None	328,000	None	None	None	None
	1 2	July 1, 1925 July 1, 1928	154,000 174,000	July July	1, 1936-1960 1, 1949-1968	5 5			154,000 174,000		154,000 174,000				
Ladera			200,000				None	200,000	None	None	None	None	None	None	None
Laguna	1	July 1, 1921		July	1, 1923-1932	6	None	None	265,000	185,500	79,500	None	None	None	None
Lakeland ¹	1	0 40 2, 2022	None	1			None	None	None	None	None	None	None	None	None
Lakeside	1	Feb. 1, 1925			1, 1946-1965	6	None	None	35,000	None	35,000	None	None	12,081	13,398
La Mesa, Lemon Grove and Spring Valley		1 00. 1, 1020	3,732,500	oan.	1, 1010 1000		1,166,500	500,000	2.066.000	10,000	2,056,000	None	None	None	None
La Mesa, Lemon Grove and Spring vaney	1 2	July 1, 1914 Jan. 1, 1925	1,232,500 2,500,000	June 3	30, 1935–1939 1, 1946–1965	6	1,166,500	500,000	66,000 2,000,000	10,000	56,000 2,000,000				
	2	Jan. 1, 1925	2,500,000 None	Jan.	1, 1940-1905	0	None	None	2,000,000 None	None	None	None	None	None	None
Lemoore ¹		-	None				None	None	None	None	None	None	None	Itolio	
Linden		-	1 070 000)	-	Nana	Nama	1 050 000	E0 E00	1,591,500	None	None	112,057	74.482
Lindsay-Strathmore	1 2	July 1, 1916 Oct. 1, 1918	1,650,000 1,400,000	July	1, 1927–1946 1, 1929–1948	6	None	None	1,650,000 1,400,000	58,500 56,000	1,344,000	None		112,007	14,402
	2	Oct. 1, 1918		Oct.	1, 1929–1948	6			250,000	2,500	247,500		N	Nie	4.040
Littlerock Creek	3	July 1, 1914	368,000 60,000	Jan.	1, 1934–1954	5	None	None	368,000 60,000	8,000	360,000 60,000	2,000	None	None	4,212
	5	Jan. 16, 1920 May 1, 1921	200,000	Jan. Jan.	1, 1941-1960 1, 1925-1942	6 6			200,000 48,000	8,000	200,000 40,000	2,000			
	6	Jan. 1, 1925	60,000	Jan.	1, 1941–1960	6			60,000		60,000				
Lucerne ¹			None			4	None	None	None	None	None	None	None	None	None
Madera	1 1st Div.	Oct. 1, 1921	_ 28,000,000	Tuly	1, 1927–1928	6	None	27,800,000	200,000 200,000	200,000 200,000	None	None	None	1	None

SUMMARY OF STATISTICAL DATA RELATING TO BONDS AND OUTSTANDING WARRANTS OF CALIFORNIA TRRIGATION DISTRICTS: JANUARY 1930

TABLE IV Continued

(Terals for each district are in bold fate type)

aultitist .	d dansini ho phismry			1, 1980	umil ,esus .	Status or poin								
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9983	yatir	increstri.		Carette ding	Logisco		bloself				860681			
Forms	enai//	anost.	snoi0	1000,000	ana//	8860,008	\$200,000	enove.	p .	1001-8401 inst	\$1,300.000	Mar. 1, 19		Tai Dorpela Li
	\$3,272	gnalit	Nesk	aneM:	None	anoM	. snoV	56691			anolA			TI Nobel I am make foreign to transmit
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angli	Noise	anaVi -	None	500,000	1,590,000	2,000,000	andM -13 P	anol/			2,000,000			Freeno
				438,000 64,000	13(4,000	1.750,000 250,000				len. 1 192 - 1932 191 - 1 1123 1932	4,750,000 256,000	Mar. 18,119 1 Mar. 18, 19 1	t	
908.58	081,76	None		1,658,860 1,378,860 285,000	1,030,300	2,40×,150 2,40×,150 284,000	4 e00.ar	182,850		Ted Com II nat June II nat-1999		Oct 1 19 0	i I-Rei	Gleun-Oblaso
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SUMMARY OF STATISTICAL DATA RELATING TO BONDS AND OUTSTANDING WARRANTS OF CALIFORNIA IRRIGATION DISTRICTS, JANUARY 1, 1930

TABLE IV Continued

(Totals for each district are in bold face type)

			Face value of					Status of bor	nd issues, Jan	uary 1, 1930			Interest l	
Name of district	Number of bond issues	Dates of bonds	bonds voted including refunding issues	Range of maturities	Coupon rates per cent		Disposition of bonds		Dispositio so	n of bonds ld	Bond pay defa	ments in ult	Januar 1930	у 1.
			issues			Cancelled	Unsold	Sold	Retired	Outstanding	Principal	Interest ²	1930	1929
Maxwell	. 1	Sept. 15, 1918	\$260,000	Jan. 1, 1922–1941	6	None	None	\$260,000	\$26,000	\$234,000	\$78,000	\$54,570	\$436	\$44,190
Merced	1 1st Div.	Jan. 1, 1922	16,250,000 3,120,000	Jan. 1, 1933-1950	6	None	None	16,250,000 3,120,000	None	16,250,000 3,120,000	None	None	None	None
	1 2d Div. 1 3d Div.	Jan. 1, 1922 Jan. 1, 1922	1,800,000 1,420,000	Jan. 1, 1951–1953 Jan. 1, 1954–1955	5½ 5½			1,800,000 1,420,000		1,800,000 1,420,000				
	1 4th Div.	Jan. 1, 1922 May 1, 1924 April 1, 1926	5,660,000 3,250,000 1,000,000	Jan. 1, 1956–1962 Jan. 1, 1937–1964 Jan. 1, 1965–1966	6 6 5½			5,660,000 3,250,000 1,000,000		5,660,000 3,250,000 1,000,000				
Modesto	1.7.6		5,137,511			\$46,000	\$236,000	4,855,511	590,204	4,265,307	None	None	None	None
	1-Ref. 2 2-Ref.	May 1, 1902 Jan. 1, 1903 Jan. 5, 1904	1,056,511 18,000 332,000	Jan. 1, 1923–1942 Jan. 1, 1914–1923 Jan. 1, 1925–1944	5 6 5			1,010,511 18,000	447,604 18,000	562,907				
	3	July 1, 1909 Jan. 1, 1911	200,000	Jan. 1, 1925–1944 July 1, 1930–1939 Jan. 1, 1932–1941	5			332,000 200,000 50,000	103,600 12,000 1,000	188,000				
	5 6	July 1, 1914 July 1, 1914	500,000 110,000	July 1, 1935–1954 July 1, 1935–1954	6			500,000 110,000		500,000 110,000				
	7 8	July 1, 1920 July 1, 1920	1,180,000 181,600	July 1, 1931-1950 July 1, 1931-1950	6			1,180,000 181,600		1,180,000 181,600				
	10 11	July 1, 1920 July 1, 1920 July 1, 1920	150,000 190,000 298,400	July 1, 1931–1950 July 1, 1931–1950 July 1, 1931–1950	6			150,000 190,000		150,000 190,000				
	12 13	Oct. 1, 1923 Jan. 1, 1924	135,000 500,000	July 1, 1934–1953 July 1, 1944–1953	5 5			298,400 135,000 500,000	6,000 2,000	298,400 129,000 498,000				
	14	Jan. 1, 1927	236,000	Jan. 1, 1942–1951	5		236,000							
Mojave River ¹	1 1st Div. 2d Div.	Aug. 15, 1922 Jan. 1, 1924	5,600,000	Jan. 1, 1933- Jan. 1, 1935-1954	6 6	None	5,600,000 25,000 2,150,000	None	None	None	None	None	None	2,625
Montague ⁷	_ 1	Jan. 1, 1926	1,395,000	Jan. 1, 1947-1966	6			1,395,000	None	1,395,000	None	27,350	None	None
Naglee-Burk	1 1-Ref.	Oct. 1, 1921 July 1, 1927	392,000 200,000 192,000	July 1, 1926–1940 July 1, 1933–1967	6 6	None	196,500 5,000 191,500	195,500 195,000 500	9,500 9,500	186,000 185,500 500	21,000 21,000	None	8,303	8,802
Nevada			9,842,000			None	1,898,000	7,944,000	None	7.944,000	None	None	40,578	442,500
	1 1st Div. 1 2d Div.	July 1, 1925 July 1, 1926 July 1, 1928	6,000,000 1,250,000 2,592,000	July 1, 1936–1965 July 1, 1933–1965 July 1, 1949–1962	5½ 5½ 5½ 5½		1,898,000	6,000,000 1,250,000	- 	6,000,000 1,250,000				
Newport Heights	1	Jan. 1, 1920	160,000	Jan. 1, 1941–1960	6	None	None	694,000 160,000	None	694,000 160,000	None	None	None	None
Newport Mesa	1	June 1, 1919	50,000	July 1, 1940–1959	6	None	None	50,000	None	50,000	None	None	None	None
Oakdale	-	July 1, 1910	3,675,000 1,600,000	July 1, 1931–1940	5	None	None	3,675,000 1,600,000	185,000	3,490,000	None	None	87,577	77,677
	2 3	Jan. 1, 1913 July 1, 1915	400,000	Jan. 1, 1934–1943 July 1, 1936–1955	5			400,000 400,000		1,600,000 400,000 400,000				
	5	Jan. 1, 1924 June 21, 1925	175,000 1,100,000	Jan. 1, 1925-1931 Jan. 1, 1927-1965	5½ 5			175,000 1,100,000	150,000 35,000	25,000 1,065,000				
Oroville-Wyandotte	_ 1	Jan. 1, 1923	2,000,000	Jan. 1, 1944-1963	6	None	941,000	1,059,000	None	1,059,000	None	None	25,879	19,765
Owens Valley ¹	1	Jan. 1, 1924	1,650,000	Jan. 1, 1940-1959	51/2	None	1,178,500	471,500	None	471,500	None	90,764	None	None
Palmdale	1	May 16, 1920	545,000 382,000	Jan. 1, 1941–1960	6	None	100,000	445,000 382,000	None	445,000	None	120,150	27,249	15,296
	2 3	May 1, 1921 June 1, 1925	63,000 100,000	Jan. 1, 1933–1942 Jan. 1, 1941–1960	6 6		100,000	63,000						
Palo Verdes	. 1	Feb. 1, 1916	6,507,330 500,000	Feb. 1, 1922–1935	6	32,000	1,562,000	4,913,330 500,000	653,000 270,000 320,000	*4,260,330 230,000	None	None	90,000	90,000
Levee District Levee District Drainage District	2	May 1, 1918 Nov. 1, 1922 Dec. 1, 1921	1,285,951 371,379 850,000	May 1, 1919-1958 Nov. 1, 1923-1962 Jan. 1, 1933-1942	$\frac{6\frac{1}{2}}{6\frac{1}{2}}$	932,000		1,253,951 371,379 850,000	63,000	933,951 308,379				
Irrigation District Irrigation District Irrigation District	1 1st Div.	Sept. 1, 1925 Sept. 1, 1925 Sept. 1, 1925 Sept. 1, 1925	3,114,000 173,000 213,000	July 1, 1937–1955 July 1, 1938–1955	6 6		1,464,000 98,000							

SUMMARY OF STATISTICAL DATA RELATING TO BONDS AND OUTSTA DING WARRANTS OF CALIFORNIA HERICATION DISTRICTS DANGERY 1 1930 TABLE JV

Totals for ough distinct are in build face I year

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	race)	Pi aline	ixer ared elsh		neihgg it for		No dicables on (C) Some		Certion turks personal	ganali po myanifisa		parterior			To recovery	Numeral district
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564 (55	9000	078,54£	900,212		\$25,080	660,0353	None					8260,000	101.4			Maximum
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8,802 	856.8	Nuno	21,000 21,000	000,001 000,005 006,	8,660 300	000,391 000,581 006	188,500 -0,000 -1,000 -1,510	enoth		DARL STOLL IN VOICE LIBERT	North	392.000 200.000 182,000		toO.	1617	Alegier-Horkey
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000,00	000.00	enpid		228,000 633,251 808,070 550,000 75,000	000 550 000.050 000.050 000,6a	4,018,330 5.00,000 5.00,50 5.00,00 5.00,00 5.000 5.000 5.000	000 802,1 000 - 48,1 000 80	82,000 92,000	24 0 0	1,1722-1035 1,1070-1038 1,1028-1003 1,1038-1013	Well Work Hold July	00.5. 10d.e 010.007 1.28.de0.1 0.27.7 000.068 000.611.5	8101 / 8191 / 100 100 100 100 100 100 100 100 100 10	Fell Nov. Nov. 1981 Sept.	v.I.D., e1 II. V.M. I.A.V. I	Potrty of a control of a contro

SUMMARY OF STATISTICAL DATA RELATING TO BONDS AND OUTSTANDING WARRANTS OF CALIFORNIA IRRIGATION DISTRICTS, 1 JANUARY 1, 1930

TABLE IV Continued

(Totals for each district are in bold face type)

			Face and a contract of					Status of box	ad issues, Jan	uary 1, 1930			Interest t	pearing tstanding
Name of district	Number of bond issues	Dates of bonds	Face value of bonds voted including refunding	Range of maturities	Coupon rates per cent		Disposition of bonds		Disposition	n of bonds	Bond payı defa	nents in ult	Januar 1930	y 1,
			issues			Cancelled	Unsold	Sold	Retired	Outstanding	Principal	Interest ²	1930	1929
Paradise			\$490,000			None	None	\$490,000	\$6,000	\$484,000 350,000	None	None	None	None
	1 2	May 1, 1917 July 1, 1920	350,000 140,000	May 1, 1938–1957 July 1, 1925–1956	6			350,000 140,000	6,000	134,000				
Potter Valley	1	July 1, 1928	100,000	July 1, 1933–1952	51/2	None	\$3,000	97,000	None	97,000	None	None	None	Non
Princeton-Codora-Glenn	1	July 1, 1918	175,000	July 1, 1939–1958	6	None	None	175,000	None	175,000	None	None	\$3,900	\$8,49
Provident		Aug. 15, 1918	1,190,000 1,000,000	Aug. 15, 1930–1949	6	None	None	1,190,000 1,000,000	170,000	1,020,000 1,000,000	None	\$11,000 11,000	None	Non
	2	Aug. 9, 1921	190,000	July 1, 1922–1933	6			190,000	170,000	20,000				
Ramona	1	July 1, 1926	91,000	July 1, 1947–1966	6	None	None	91,000	None	91,000	None	None	5,727	10,01
Red Rock Creek ¹	1 1st Div.	Jan. 1, 1926	442,160 175,000 267,160	Jan. 1, 1947-1966	6	None	442,160 175,000 267,160	None	None	None	None	None	None	12,00
Riverdale	1	Oct. 1, 1922	123,000	July 1, 1925-1933	6	None	None	123,000	58,000	65,000	None	None	None	Non
San Dieguito		April 1, 1923	400,000	Jan. 1, 1931–1950	6	None	None	400,000	None	400,000	None	None	None	Non
Santa Fe		Nov. 1, 1923	700,000	July 1, 1933-1952	6	None	None	700,000	None	700,000	None	None	None	Non
San Ysidro	1	Jan. 1, 1913	25,000	Jan. 1, 1934–1943	5	None	None	25,000	None	25.000	None	None	28,796	32,48
Scott Valley	1	July 1, 1920	125,000	July 1, 1923–1937	6	None	None	125,000	47,000	78,000	None	None	None	5,00
Serrano	1	July 1, 1929	200,000	July 1, 1934–1953	6	None	200,000	None	None	None	None	None	None	Non
South Montebello	1	June 30, 1923	125,000	Jan. 1, 1926-1945	6	None	None	125,000	31,000	94,000	None	None	None	Non
South San Joaquin		July 1, 1910	5,985,000 1,875,000	July 1, 1931–1940	5	None	None	5,985,000 1,875,000	35,000	5,950,000 1,875,000	None	None	108,057	Non
	2 3	April 18, 1913	1,170,000 790,000	April 18, 1934-1942 July 1, 1934-1943	5 5			1,170,000 790,000		1,170,000 790,000				
	4 5	July 1, 1913 Sept. 1, 1919 Nov. 6, 1923	500,000 550,000	July 1, 1940–1959 July 1, 1944–1963	5½ 5½			500,000 550,000		500,000 550,000				
	6	June 21, 1925	1,100,000	Jan. 1, 1927-1965	5			1,100,000	35,000	1,065,000				
Stinson	1	April 1, 1923	360,000	Jan. 1, 1931–1950	6	None	None	360,000	None	360,000	None	16,086	33,688	22,77
Table Mountain	1 2	July 1, 1923 Mar. 1, 1927	187,000 125,000 62,000	July 1, 1944–1963 Jan. 1, 1948–1967	6 6	None	None	187,000 125,000 62,000	None	187,000 125,000 62,000	None	None	882	Non
Terra Bella		Nov. 1, 1916	1,000,000	Nov. 1, 1927-1946	6	None	None	1,000,000	107,000	893,000	None	None	None	Non
Thermalito			320,000			None	None	320,000	None	320,000	None	None	3,563	2,23
	1 2	Mar. 1, 1923 May 1, 1926	270,000 50,000	Jan. 1, 1934–1953 Jan. 1, 1947–1966	6			270,000 50,000		270,000 50,000				
Tia Juana River			None					None		None	None	None	None	Non
Tracy-Clover		May 1, 1923	52,170	Jan. 1, 1939–1963	6	None	None	52,170	None	52,170	None	None	None	Non
Tranquillity	1	Jan. 1, 1920	260,000	Jan. 1, 1924-1955	51/2	None	None	260,000	10,000	250,000	None	None	11,627	2,00
Tulare	1		500,000			None	None	500,000	500,000	None	None	None	None	Non
Tule ¹	1	July 1, 1921	806,000	Jan. 1, 1926–1943	6	None	None	806,000	None	806,000	\$94,000	215,208		
Turlock	Original		9,114,000 1,200,000			\$44,000	None	9,070,000 1,200,000	2,010,000 1,200,000	7,059,900	None	None	None	None
	1-Ref.	July 1, 1902 Jan. 1, 1905	1,200,000	Jan. 1, 1922-1942 Jan. 1, 1926-1935		44,000		1,156,000	540,000 70,100	616,000 129,900				
	2 3	July 1, 1910	100,000	July 1, 1931–1940 Jan. 1, 1932–1941	5 5			100,000 1,206,000		100,000				
	4	July 1, 1920	2,570,000 1,028,000	July 1, 1936–1951	6			2,570,000 1,028,000		2,570,000 1,028,000				
	6	July 1, 1920 July 1, 1920 Jan. 1, 1924	510,000	July 1, 1941-1960	51/2			510.000	200,000	510,000				
	7 8	Jan. 1, 1924 Dec. 31, 1926	500,000 600,000	Jan. 1, 1927-1936 July 1, 1932-1946	5			500,000	200,000	300,000 600,000				

SUMMARY OF STATISTICAL DATA RELATING TO BONDS AND OUTSTANDING WARRANTS OF CALIFORNIA TRAIGATION DISTRICTS, JANUARY 1 1938

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SUMMARY OF STATISTICAL DATA RELATING TO BONDS AND OUTSTANDING WARRANTS OF CALIFORNIA IRRIGATION DISTRICTS, 1 JANUARY 1, 1930

(Totals for each district are in bold face type)

TABLE IV Continued

				Face value o						Status of bo	ond issues, Jan	nuary 1, 1930			Interest	t bearing
Name of district	Number of bond issues		Oates of oonds	bonds voted including refunding issues		Range of maturities	Coupon rates per cent		Disposition of bonds	of		on of bonds old	Bond pa	yments in ault	warrants o Janus 193	
								Cancelled	Unsold	Sold	Retired	Outstanding	Principal	Interest ²	1930	1929
Vandalia	1	April	l 1, 1924	\$210,000	Jan.	1, 1928–1947	6	None	None	\$210,000	\$16,800	\$193,200	None	None	None	None
Vista	1	Jan.	1, 1925	1,700,000	Jan.	1, 1946–1965	6	None	None	1,700,000	None	1,700,000	None	None	None	None
Walnut				None				None	None	None	None	None	None	None	\$32,000	\$38,000
Waterford			1 1010	670,000				None	None		18,525	651,475	None	None	6.265	None
	2	July	1, 1916 1, 1919	465,000 205,000	Oct. July	1, 1927-1946 1, 1927-1946	6 5½			207 000	9,300 9,225	455,700 195,775				
West Side				595,000				None	\$39,000	556,000	15,000	541,000	None	N	40.000	04.000
	1 2	Jan. July	1, 1917 1, 1918	295,000 100,000	Jan. July	1, 1938–1957 1, 1939–1958	6			295,000		295,000		None	49,268	64,389
	3	Jan. Feb.	1, 1920 1, 1929	150,000 50,000	Jan. Jan.	1, 1930–1939 1, 1950–1969	6			150,000	15,000	100,000 135,000				
West Stanislaus	1						6			11,000		11,000				
		July	1, 1927	1,216,376	July	1, 1932–1957	6	None	141,376	1,075,000	None	1,075,000	None	None	None	None
Williams 5	1 2 1st Div.		1, 1921	1,198,000 600,000	Jan.	1, 1923–1937	6	None	234,000 147,000	964,000 453,000	395,000 395,000	569,000 58,000	\$10,000	\$122,370	41,598	41,597
	Ref.	Jan.	1, 1924	466,000	Jan.	1, 1942–1959	6		87,000	379,000		379,000				
	2 2d Div. 3	Jan. June	1, 1924 1, 1924	115,000 17,000	Jan. Jan.	1, 1959–1961 1, 1945–1961	6			115,000 17,000		115,000 17,000				
Woodbridge	1	Mar.	1, 1928	325,000	Jan.	1, 1930–1954	51/2	None	17,000	308,000	5,000	303,000	None	None	None	None
		(\$154,827,047				\$1,626,350	\$45,000,476	\$108,200,221	\$11,108,339	\$97,091,882	\$477,000	\$1,132,758	\$1,157,490	\$1,536,287

Summary contains data on Crooks Canyon, Owens Valley, Red Rock Creek, Crescent, Lakeland, Lemoore, Lucerne, Mojave River, Tule and Baxter Creek districts which are considered as inactive or partially active.

2 Does not include interest on bonds after date of maturity.

3 Interest payments due from July 1, 1927, to January 1, 1932, inclusive, deferred by agreement made with bondholders.

4 East Contra Costa district formed in 1926 by consolidation of Brentwood, Knightsen and Lone Tree irrigation districts.

5 By agreement, bonds of Williams Irrigation District, now consolidated with Glenn-Colusa district, are an obligation against lands in Williams district only.

5 Organized as an irrigation district, but name changed to Montague Water Conservation District, September, 1926.

1 Includes Levee district, Drainage district and Mutual Water Co. bonds which were assumed by Palo Verde irrigation district.

18 Oconstruction charges Bureau of Reclamation not considered,

SEMMARY OF STATISFICAL DATA RELATING TO BONDS AND OUTST INDING WARRANTS

(Titals for each district and in bold face type

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	uset,	(dagroiu)	Principal ,	Outstanding	perital)			ballerns()						
None	anoir.	enald	nan M	3193,200	000.818	\$210,000	ana.A	atio//		fan 1925-1941	\$210,000	1. 1881	1 final - L	Vandella
effeld	None	biond	- Allows	1,700,000	oriovi.	1.700,000	Nane	None N		GOVE DESCRIPTIONS.	3,700,000	620	I mal	Time and a second of the second
000,848		s and W	None	None	None	епвИ.	Plane	Nesse			molt			Waigut
None.	1, eac. a.	None.	None	881,475 455,700 195,725	18,525	676,000 A65,000 265,000	None	None	N.	Oct. 3, 1927-1913 July 1, 1997-1945		elu elu	1 300 L 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	hnoEratu (/
94,300	100 416	one N	9 60 (X)	080 IP8: 000,000 000,000 136,000 11,000	15,000	556,000 903,000 150,000 150,000	900,022 000,02	None			295 500 1 150 500 1 150 500	111 010 020 120	The viole is a second	West Sylle
niolin .	oneW.	eng (I	anoV	1,075,000	anoVI	1,075,000	141,378	Alone		Ton seek it suit	1,2)8,378		r A Shell Service	West Pranishant To W
rpa,te	41,56B	9122,370	\$10,000	569,000 58,000	395,000	984,900	234,000 147,000	анеИ-		1801 Egg 1903 1901	1,198,000	100	i Towns	amenti W
				900,71 12,000 379,000		000,076 000,011 0.00,71	000,19				000,000 000,5 (1 000,4 (1		2 leb Div. Rel Polen IX 2 24 Aviv. Jan. IX	
anain	None	anel/i	None	303,000		008,808	000,17	enel	2.6	Jan. 1, 1931-1964	325,000	884	L AM	Windowski was a same sana
31,536,267	\$1,187,430	31,132,753	\$477,000	997,091,862	\$11,100,339	\$100,200,221	\$43,000,476	91,626,260			(54,727,047.			

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TABLE V. BOND OBLIGATIONS OF ACTIVE CALIFORNIA IRRIGATION DISTRICTS JANUARY 1, 1930

	Year -	Estima	ted area	Bonds	Bonds outstan	ding per acre
District	formed	Gross acres	Irrigable acres	outstanding, total	Gross area	Irrigable area
Alpaugh	1915	8,175	8,039	\$263,190	\$32 19	\$32 7
Alpaugh Alta Anderson-Cottonwood	1888	8,175 129,300 32,000	112,600	272,000	2 10	2 4
Ranta-Carbona	1914 1921	32,000 14,379	28,064	1,170,000	36 56	41 6
Banta-CarbonaBaxter Creek	1917	9,336	14,248 8,636	1,131,060 511,000	78 66 54 73	79 33 59 1
Beaumont	1919	4,141	3,161	263,200	63 56	83 20
Big Springs	1927 1920	3,570	2,546 17,500	64,000	17 93	25 14
Byron-Bethany	1920	28,686 17,200	17,500 12,544	594,000	20 71	33 94
Butte Valley Byron-Bethany Camp Far West	1924	4,089	2,658	607,000 179,000	35 29 43 78	48 39 67 3
Carmichael	1916	3,138	3,038	100,200	31 93	32 98
Citrus Heights	1920	3,077	3,066	191,000	62 07	62 30
Consolidated	1920 1921	12,652	11,500	384,000	30 35	33 39
Citrus Heights Compton-Delevan Consolidated Corcoran	1919	149,047 51,606	145,757 51,000	345,000 760,000	$\begin{array}{c c} 2 & 31 \\ 14 & 73 \end{array}$	2 37 14 90
Cordua	1919	5,461	5,421	258,000	47 24	47 59
Deer Creek	1926	1,907	1,663	22,500	11 80	13 53
East Contra Costa	1926 1921	20,200	19,760	1,256,000	62 18	63 56
El Camino El Dorado	1921	7,549 30,000	7,549 19,905	423,000 600,000	56 03 20 00	56 03 30 14
Fairoaks	1917	3,900	3,400	124,000	31 79	36 47
Fresno	1920	241,300	239,080	500,000	2 07	2 09
Henn-Colusa	1920	121,592	118,592	1,658,850	13 64	13 99
Fresno Henn-Colusa Grenada Hot Spring Valley	1921 1919	4,948 9,497	3,510 9,000	240,000 102,000	48 50 10 74	68 38 11 33
	1911	605,000	515,000	15,100,000	24 96	29 32
mperial acinto a	1917	11,554	10,300	178,000	15 41	17 28
ames La Canada	1920	26,266	18.266	995,000	37 88	54 47
aguna	1924 1920	1,294 34,858	1,294 30,000	328,000 79,500	253 48 2 28	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
akesidea Mesa, Lemon Grove and Spring Valleyindsay-Strathmoreindsay-Strathmor	1924	320	288	35,000	109 38	121 53
Valley	1913	18,000	13,500	2,056,000	114 22	151 85
indsay-Strathmore	1915	15,250	14,540	1,591,500	104 36	109 46
ittlerock CreekMaxwell	1892 1918	3,073 8,820	2,877 6,000	360,000 234,000	117 15 26 53	125 13 39 00
Merced	1919	189,682	171,700	16,250,000	85 67	94 64
Modesto	1887	81.183	78,759	4.265.307	52 54	54 16
Jaglee Rurk	1925 1920	26,117	18,531	1,395,000	53 41	75 28
Montague Naglee Burk Nevada	1921	2,871 263,500	2,846 164,000	186,000 7,944,000	64 79 30 15	65 35 48 44
Newport Heights	1918	1,503	1,503	160,000	106 45	106 45
ewnort Mess	1918	694	400	50,000	72 05	125 00
Proville-Wyondotto	1909	74,240	66,800	3,490,000	47 01	52 25
Oakdale	1919 1918	24,100 4,756	22,300 4,698	1,059,000 445,000	43 94 93 57	47 49 94 72
Palo Verde	1923	88,693	70,000	4,260,330	48 03	60 86
'aradise	1916	11,260	9,836	484,000	42 98	49 21
Paradise	1924	5,042	4,195	97,000	19 24	23 12
Provident	1916 1918	13,656 22,805	12,290 21,000	175,000 1,020,000	12 81 44 73	14 24 48 57
Ramona	1925	650	585	91,000	140 00	155 55
uverdale	1920	15,830	14,800	65,000	4 11	4 39
anta Fe	1922 1923	3,900	3,700	400,000	102 56	108 11 100 29
tiverdalean Dieguitoanta Fean Ysidro	1911	10,106 502	6,980 462	700,000 25,000	69 27 49 80	100 29 54 11
	1917	5,125	4,000	78,000	15 22	19 50
cott Valley outh Montebello outh San Joaquin	1922	910	829	94,000	103 30	113 39
tinsonlable Mountain	1909 1921	71,112	66,465	5,950,000	83 67	89 52
	1941	11,750	11,000	360,000	30 64	32 73

TABLE V. BOND OBLIGATIONS OF ACTIVE CALIFORNIA IRRIGATION DISTRICTS JANUARY 1, 1930—Continued

		Estimat	ed area	Bonds	Bonds outstan	ding per acre
District	Year formed	Gross acres	Irrigable acres	outstanding, total	Gross area	Irrigable area
Terra Bella	1915	12,285	12,070	\$893,000	\$72 69	\$73 98
Thermalito	1922	3,110	2,940	320,000	102 89	108 84
Tracy-Clover	1922	1,084	984	52,170	48 13	53 02
Tranquillity	1918	10,750	10,190	250,000	23 26	24 58
Tule	1920	15,015	9,795	806,000	53 68	82 29
Turlock	1887	181,498	179,278	7,059,900	38 90	39 38
Vandalia	1923	1.276	1,253	193,200	151 41	154 19
Vista	1923	18,162	14,610	1,700,000	93 60	116 36
Waterford	1913	14,110	11,424	651,475	46 17	57 0
West Side	1915	11,828	11,811	541,000	45 74	45 80
West Stanislaus	1920	21,400	21.000	1,075,000	50 23	51 19
Woodbridge	1924	13,851	13,330	303,000	21 88	22 73
Totals and averages		2,877,496	2,512,446	\$96,051,382	\$33 38	\$38 2

PUBLICATIONS DIVISION OF WATER RESOURCES

PUBLICATIONS OF THE

DIVISION OF WATER RESOURCES

DEPARTMENT OF PUBLIC WORKS

STATE OF CALIFORNIA

When the Department of Public Works was created in July, 1921, the State Water Commission was succeeded by the Division of Water Rights, and the Department of Engineering was succeeded by the Division of Engineering and Irrigation in all duties except those pertaining to State Architect. Both the Division of Water Rights and the Division of Engineering and Irrigation functioned until August, 1929, when they were consolidated to form the Division of Water Resources.

STATE WATER COMMISSION

First Report, State Water Commission, March 24 to November 1, 1912.

Second Report, State Water Commission, November 1, 1912, to April 1, 1914.

*Biennial Report, State Water Commission, March 1, 1915, to December 1, 1916. Biennial Report, State Water Commission, December 1, 1916, to September 1, 1918. Biennial Report, State Water Commission, September 1, 1918, to September 1, 1920.

DIVISION OF WATER RIGHTS

- *Bulletin No. 1-Hydrographic Investigation of San Joaquin River, 1920-1923.
- *Bulletin No. 2-Kings River Investigation, Water Master's Reports, 1918-1923.
- *Bulletin No. 3-Proceedings First Sacramento-San Joaquin River Problems Conference, 1924.
- *Bulletin No. 4—Proceedings Second Sacramento-San Joaquin River Problems Conference, and Water Supervisor's Report, 1924.
- Bulletin No. 5-San Gabriel Investigation-Basic Data, 1923-1926.
- Bulletin No. 6-San Gabriel Investigation-Basic Data, 1926-1928.
- Bulletin No. 7-San Gabriel Investigation-Analysis and Conclusions, 1929.
- *Biennial Report, Division of Water Rights, 1920-1922.
- *Biennial Report, Division of Water Rights, 1922-1924.
- Biennial Report, Division of Water Rights, 1924-1926. Biennial Report, Division of Water Rights, 1926-1928.

DEPARTMENT OF ENGINEERING

- *Bulletin No. 1—Cooperative Irrigation Investigations in California, 1912–1914. *Bulletin No. 2—Irrigation Districts in California, 1887–1915.
- Bulletin No. 3-Investigations of Economic Duty of Water for Alfalfa in Sacramento Valley, California, 1915.
- *Bulletin No. 4-Preliminary Report on Conservation and Control of Flood Waters in Coachella Valley, California, 1917.
- *Bulletin No. 5-Report on the Utilization of Mojave River for Irrigation in Victor Valley, California, 1918.
- *Bulletin No. 6-California Irrigation District Laws, 1919 (now obsolete).
- Bulletin No. 7-Use of water from Kings River, California, 1918.
- *Bulletin No. 8-Flood Problems of the Calaveras River, 1919.
- Bulletin No. 9-Water Resources of Kern River and Adjacent Streams and Their Utilization, 1920.
- *Biennial Report, Department of Engineering, 1907-1908.
- *Biennial Report, Department of Engineering, 1908-1910.
- *Biennial Report, Department of Engineering, 1910-1912.
- *Biennial Report, Department of Engineering, 1912-1914.
- *Biennial Report, Department of Engineering, 1914-1916. *Biennial Report, Department of Engineering, 1916-1918.
- *Biennial Report, Department of Engineering, 1918-1920.

Reports and Bulletins out of print. These may be borrowed by your local library from the California State Library at Sacramento, California.

DIVISION OF WATER RESOURCES

Including Reports of the Former Division of Engineering and Irrigation

- *Bulletin No. 1—California Irrigation District Laws, 1921 (now obsolete).
- *Bulletin No. 2—Formation of Irrigation Districts, Issuance of Bonds, etc., 1922.
- Bulletin No. 3-Water Resources of Tulare County and Their Utilization, 1922.
- Bulletin No. 4-Water Resources of California, 1923.
- Bulletin No. 5-Flow in California Streams, 1923.
- Bulletin No. 6-Irrigation Requirements of California Lands, 1923.

- *Bulletin No. 7—California Irrigation District Laws, 1923 (now obsolete).

 *Bulletin No. 8—Cost of Water to Irrigators in California, 1925.

 Bulletin No. 9—Supplemental Report on Water Resources of California, 1925.
- *Bulletin No. 10—California Irrigation District Laws, 1925 (now obsolete).
- Bulletin No. 11-Ground Water Resources of Southern San Joaquin Valley, 1927.
- Bulletin No. 12-Summary Report on the Water Resources of California and a Coordinated Plan for Their Development, 1927.
- Bulletin No. 13-The Development of the Upper Sacramento River, containing U.S. R. S. Cooperative Report on Iron Canyon Project, 1927.
- Bulletin No. 14-The Control of Floods by Reservoirs, 1928.
- *Bulletin No. 18—California Irrigation District Laws, 1927 (now obsolete). Bulletin No. 18—California Irrigation District Laws, 1929 Revision.
- Bulletin No. 19-Santa Ana Investigation, Flood Control and Conservation (with packet of maps), 1928.
- Bulletin No. 20-Kennett Reservoir Development, an Analysis of Methods and Extent of Financing by Electric Power Revenue, 1929.
- *Bulletin No. 21-Irrigation Districts in California, 1929.
- Bulletin No. 21-A-Report on Irrigation Districts in California for the Year 1929, 1930.
- Bulletin No. 22-Report on Salt Water Barrier (two volumes), 1929.
- Bulletin No. 23-Report of Sacramento-San Joaquin Water Supervisor, 1924-1928.
- Bulletin No. 24-A Proposed Major Development on American River, 1929.
- Biennial Report, Division of Engineering and Irrigation, 1920-1922.
- Biennial Report, Division of Engineering and Irrigation, 1922-1924.
- Biennial Report, Division of Engineering and Irrigation, 1924-1926.

COOPERATIVE AND MISCELLANEOUS REPORTS

- *Report of the Conservation Commission of California, 1912.
- *Irrigation Resources of California and Their Utilization (Bul. 254, Office of Exp. Sta., U. S. D. A.), 1913.
- *Report, State Water Problems Conference, November 25, 1916.
- *Report on Pit River Basin, April, 1915.
- *Report on Lower Pit River Project, July, 1915.
- *Report on Iron Canyon Project, 1914.
- *Report on Iron Canyon Project, California, May, 1920.
- *Sacramento Flood Control Project (Revised Plans), 1925.
- . Report of Commission Appointed to Investigate Causes Leading to the Failure of St. Francis Dam, 1928.

Report of the Joint Committee of the Senate and Assembly Dealing With the Water Problems of the State, 1929.

PAMPHLETS

Rules and Regulations Governing the Supervision of Dams in California, 1929. Water Commission Act with Latest Amendments Thereto, 1929.

Rules and Regulations Governing the Appropriation of Water in California, 1929.

Rules and Regulations Governing the Determination of Rights to Use of Water in Accordance with the Water Commission Act, 1925.

Tables of Discharge for Parshall Measuring Flumes, 1928.

General Plans, Specifications and Bills of Material for Six and Nine Inch Parshall Measuring Flumes, 1930.

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